MAGELLAN™

MG5000 V2.0
MG5050 V2.0

SP SPECTRA®

SP5500 V2.0
SP6000 V2.0
SP7000 V2.0

STAY D™

Programming Guide

We hope this product performs to your complete satisfaction. Should you have any questions or comments, please visit www.paradox.com and send us your comments.

PARADOX®
SECURITY SYSTEMS

Table of Contents

More detailed information can be found in the *Reference & Installation Manual,* which can be downloaded from our website at paradox.com.

Warning or important information.	Suggestion or reminder.	Quick Menu (see page 3)

Entering Programming Mode

IMPORTANT: StayD Mode must be disabled in order to enter programming mode.

1. Press **[ENTER]**
2. Enter your **[INSTALLER CODE]** or **[MAINTENANCE CODE]**
3. Enter 3-digit **[SECTION]** you wish to program
4. Enter required **[DATA]**

Codes and Panel Reset

Installer Code (Default: 0000 / 000000)	The Installer code is used to enter programming mode, which allows you to program everything except user codes. To change the default code, go to section [397] on page 21 and refer to section [701] option [1] on page 28.
Maintenance Code (Default: 1111 / 111111)	The Maintenance code is used to enter programming mode, which allows you to program everything except for user codes and communication settings (sections [395], [397], [398], [815], [816], [817], [910], and [911]). To change the default code, go to section [398] on page 21 and refer to section [701] option [1] on page 28.
System Master Code (Default: 1234 / 123456)	The System Master code can use any arming method and can program user codes. To change the default code, go to section [399] on page 21 and refer to section [701] option [1] on page 28.
Panel Reset	Press and hold the RESET switch for five seconds. When the STATUS LED flashes, press the RESET switch within 2 seconds. However, this will not clear a bus module trouble (see section [955]). To reset the panel to default using section programming (see section **[950]**).

IMPORTANT: When using an SP Series panel, all wireless sections and options do not apply unless an MG-RTX3 is used in conjunction with the panel.

IMPORTANT: When using an SP6000 panel in conjunction with an MG-RTX3, all MG32LED and MG10LEDV/H keypads must be versions 2.0 or higher.

Zones

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. Programmed zones are lit (button or LED depending on keypad). **[MAINTENANCE CODE]** may also be used.
2	**[ZONE NUMBER]**	MG32LRF/MG32LED = 2 digits: 01 to 32 MG10LEDV/H = 1 digit: 1 to 0(10)
3	**[ENROLL OR ERASE ZONE]**	Wireless zone = open/close cover or press learn/tamper switch. Hardwired zone = Press [ENTER]. To erase a programmed zone, press [SLEEP] for 3 seconds.
4	**[ZONE TYPE]**	Refer to *Entering Programming Mode* on page 2.
5	**ASSIGN PARTITION** **[1]** and/or **[2]** + **[ENTER]**	Assign the zone to one or both partitions and press [ENTER]. By default, all zones are assigned to partition 1. Goes to next available zone.
Notes	Partition 2 status LEDs, display the signal strength of the selected wireless zone (4 LEDs = best signal; 1 LED = weak signal; No LEDs = hardwired panel/keypad zone)	

Keypad Zone Number Assignment (Keypad Programming)

Step	Action	Details
1	**[ENTER] + [INSTALLER CODE]**	[ARM] + [STAY] = flash. **[MAINTENANCE CODE]** may also be used.
2	Press and hold (3sec)	[ARM] + [STAY] = on.
3	**[ZONE NUMBER] + [ENTER]***	MG32LED = 2 digits: 01 to 32 MG10LEDV/H = 1 digit: 1 to 0(10) * To erase a keypad zone number, press **[CLEAR]**, then **[ENTER]**.

Delays

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[1]** = Entry Delay 1 (sec.) **[2]** = Entry Delay 2 (sec.) **[3]** = Exit Delay (sec.) **[4]** = Bell Cut-Off (min.)	
4	**[000]** to **[255]**	Entry/Exit Delay = seconds / Bell Cut-Off = minutes / 000 = default value

Time and Date

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2	**+ [5]**	
4	**[HH:MM]**	Enter time. If HH = 13 or more, skip to step 6.
5	**[TIME FORMAT]**	Enter time format (**[1]** = 24hr; **[2]** = AM; **[3]** = PM).
6	**[YYYY/MM/DD]**	Enter date.

Walk Test Mode

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[6]**	Activates or deactivates Walk Test Mode.

Installer and Maintenance Codes

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[7]** = Installer Code **[8]** = Maintenance Code	
4	**[CODE]***	Enter 4- or 6-digit code.* To erase a code, press the [SLEEP] key for 3 seconds.
5	**[CONFIRM CODE]**	Re-enter 4- or 6-digit code.

WinLoad

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[9]**	
4	**[PHONE #]** + **[ENTER]***	Enter PC phone # (up to 32 digits) and press [ENTER].* To erase WinLoad phone #, panel ID, and PC password, press the [SLEEP] key for 3 seconds.
5	**[PANEL ID]**	Enter 4-digit Panel ID
6	**[PC PASSWORD]**	Enter 4-digit PC Password

Monitoring Phone

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[1]**	
4	**[PHONE #]** + **[ENTER]***	Enter monitoring station phone # (up to 32 digits) and press [ENTER].* To erase monitoring phone #, reporting format, and account #s, press the [SLEEP] key for 3 seconds.
5	**[PARTITION 1 ACCOUNT #]**	
6	**[1]** = CID **[2]** = SIA	
7	**[PARTITION 2 ACCOUNT #]**	

Communicator

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[2]** = Backup Phone # **[3]** = Personal Phone #1 **[4]** = Personal Phone #2 **[5]** = Personal Phone #3 **[6]** = Personal Phone #4 **[7]** = Personal Phone #5 **[8]** = Pager #	
4	**[PHONE #]** + **[ENTER]***	Enter phone # (up to 32 digits) and press [ENTER]. Goes to next phone#, or go to step 5 if [8] = Pager # was selected. To erase a phone number.pager message, press the [SLEEP] key for 3 seconds.
5	**[MESSAGE]** + **[ENTER]**	Step 5 for Pager # only. Enter pager message and press [ENTER].

Cancel Communication

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. **[MAINTENANCE CODE]** may also be used.
2		
3	**[9]**	Cancels all communication with WinLoad.

PGMs

Step	Action	Details
1	+ **[INSTALLER CODE]**	= flash. Programmed zones are lit (button or LED depending on keypad). **[MAINTENANCE CODE]** may also be used.
2		
3	**[PGM NUMBER]**	MG32LRF/MG32LED = 2 digits: 01 to 16 MG10LEDV/H = 1 digit: 1 to 0(10)
4	**[ENROLL OR ERASE PGM]***	Wireless PGM = Open/close cover. Hardwired PGM = press [ENTER]. To erase a PGM, press the [SLEEP] key for 3 seconds.
5	**[PGM TYPE]**	1 = Follow Button or 2 = Follow Button or 3 = Follow Zone 4 = Follow Alarm 5 = Follow Bell 6 = Follow Arm 7 = Follow Stay arm 8 = Follow Sleep arm
6	If PGM type is 1, 2, 3, or 4 **[ACTIVATION DELAY]**	1 = Follow 2 = 1 second 3 = 5 seconds 4 = 15 seconds 5 = 30 seconds 6 = 1 minute 7 = 5 minutes 8 = 15 minutes 9 = 30 minutes
	If PGM type is 5 Goes to next available PGM.	
	If PGM type is 6, 7, or 8 **[1]** and/or **[2]** + **[ENTER]**	If system is partitioned, select partition(s) and press [ENTER]. Goes to next available PGM.
7	If PGM type is 1, or 2 **[2-DIGIT REMOTE CONTROL #]**	01 to 32; 00 = all remote controls. Goes to next available PGM.
	If PGM type is 3 **[2-DIGIT ZONE #]**	01 to 32; 00 = all zones. Goes to next available PGM.
	If PGM type is 4 **[1]** and/or **[2]** + **[ENTER]**	If system is partitioned, select partition(s) and press [ENTER]. Goes to next available PGM.

Hardwired System Planning

IMPORTANT: Maximum of 3 APR-ZX8 modules.

Serial # Sticker	Description	Path Zone (Entry Point)	Path Zone	Path Zone	Path Zone
Keypad 1/ APR-ZX8					
Keypad 2/ APR-ZX8					
Keypad 3/ APR-ZX8					
Keypad 4/ APR-ZX8					
Keypad 5/ APR-ZX8					
Keypad 6/ APR-ZX8					
Keypad 7/ APR-ZX8					
Keypad 8/ APR-ZX8					
Keypad 9/ APR-ZX8					
Keypad 10/ APR-ZX8					
Keypad 11/ APR-ZX8					
Keypad 12/ APR-ZX8					
Keypad 13/ APR-ZX8					
Keypad 14/ APR-ZX8					
Keypad 15/ APR-ZX8					

Wireless System Planning

Serial # Sticker	Description	Path Zone (Entry Point)	Path Zone	Path Zone	Path Zone
MG32LRF 1					
MG32LRF 2					
MG32LRF 3					
MG32LRF 4					

Serial # Sticker	Description	Serial # Sticker	Description
PGM 1		PGM 9	
PGM 2		PGM 10	
PGM 3		PGM 11	
PGM 4		PGM 12	
PGM 5		PGM 13	
PGM 6		PGM 14	
PGM 7		PGM 15	
PGM 8		PGM 16	

Serial # Sticker	Description	Serial # Sticker	Description
Repeater 1		Repeater 2	

Serial # Sticker Wireless/APR-ZX8	Zone#	Zone Description	Armed when... Stay	Sleep	Full
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐

Serial # Sticker Wireless/APR-ZX8	Zone#	Zone Description	Armed when... Stay	Sleep	Full
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐
Zone			☐	☐	☐

Zone Programming

Zone Definitions	Stay Arm	Sleep Arm	Fully Arm
01 = Entry Delay 1	Entry Delay 1	Entry Delay 1	Entry Delay 1
02 = Entry Delay 2	Entry Delay 2	Entry Delay 2	Entry Delay 2
03 = Entry Delay 1 (Full Arm)	Not Armed	Not Armed	Entry Delay 1
04 = Entry Delay2 (Full Arm)	Not Armed	Not Armed	Entry Delay 2
05 = Follow	Follow*	Follow*	Follow
06 = Follow (Sleep/Full Arm)	Not Armed	Follow*	Follow
07 = Follow (Full Arm)	Not Armed	Not Armed	Follow
08 = Instant	Instant*	Instant*	Instant
09 = Instant (Sleep/Full Arm)	Not Armed	Instant*	Instant
10 = Instant (Full Arm)	Not Armed	Not Armed	Instant
11 = Instant Fire			
12 = Delayed Fire			

Zone Definitions
13 = Instant Fire Silent
14 = Delayed Fire Silent
15 = 24Hr. Buzzer
16 = 24Hr. Burglary
17 = 24Hr. Hold-up
18 = 24Hr. Gas
19 = 24Hr. Heat
20 = 24Hr. Water
21 = 24Hr. Freeze
22 = Outdoor motion - SP Series
23 = Doorbell - SP Series

Partition Assignment
[1]- Partition 1
[2]- Partition 2
[3]- Both partitions

Zone Options
[1] = Auto-zone Shutdown
[2] = Bypassable Zone
[3] = RF Supervision

[4]	[5]	
OFF	**OFF**	**Audible Alarm**
OFF	ON	Pulsed Alarm
ON	OFF	Silent Alarm
ON	ON	Report Only

[6] = Intellizone
[7] = Delay alarm transmission
[8] = Force Zone

* Flex-Instant = Zone will follow the delay at section [720], (default is 15 seconds / 0 = instant zone)

Zone*	Section	Zone Definition	Partition	Zone Options	Section	Wireless SN or press tamper/learn To delete, enter 000000
Zone 1: _____	**[001]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[061]**	____/____/____/____/____/____
Zone 2: _____	**[002]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[062]**	____/____/____/____/____/____
Zone 3: _____	**[003]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[063]**	____/____/____/____/____/____
Zone 4: _____	**[004]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[064]**	____/____/____/____/____/____
Zone 5: _____	**[005]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[065]**	____/____/____/____/____/____
Zone 6: _____	**[006]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[066]**	____/____/____/____/____/____
Zone 7: _____	**[007]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[067]**	____/____/____/____/____/____
Zone 8: _____	**[008]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[068]**	____/____/____/____/____/____
Zone 9: _____	**[009]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[069]**	____/____/____/____/____/____
Zone 10: _____	**[010]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[070]**	____/____/____/____/____/____
Zone 11: _____	**[011]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[071]**	____/____/____/____/____/____
Zone 12: _____	**[012]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[072]**	____/____/____/____/____/____
Zone 13: _____	**[013]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[073]**	____/____/____/____/____/____
Zone 14: _____	**[014]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[074]**	____/____/____/____/____/____
Zone 15: _____	**[015]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[075]**	____/____/____/____/____/____
Zone 16: _____	**[016]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[076]**	____/____/____/____/____/____
Zone 17: _____	**[017]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[077]**	____/____/____/____/____/____
Zone 18: _____	**[018]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[078]**	____/____/____/____/____/____
Zone 19: _____	**[019]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[079]**	____/____/____/____/____/____
Zone 20: _____	**[020]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[080]**	____/____/____/____/____/____
Zone 21: _____	**[021]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[081]**	____/____/____/____/____/____
Zone 22: _____	**[022]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[082]**	____/____/____/____/____/____
Zone 23: _____	**[023]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[083]**	____/____/____/____/____/____
Zone 24: _____	**[024]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[084]**	____/____/____/____/____/____
Zone 25: _____	**[025]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[085]**	____/____/____/____/____/____
Zone 26: _____	**[026]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[086]**	____/____/____/____/____/____
Zone 27: _____	**[027]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[087]**	____/____/____/____/____/____
Zone 28: _____	**[028]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[088]**	____/____/____/____/____/____
Zone 29: _____	**[029]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[089]**	____/____/____/____/____/____
Zone 30: _____	**[030]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[090]**	____/____/____/____/____/____
Zone 31: _____	**[031]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[091]**	____/____/____/____/____/____
Zone 32: _____	**[032]**	_____/_____	_____	1 2 3 4 5 6 7 8	**[092]**	____/____/____/____/____/____

* See Zone Recognition table on next page.

Zone Recognition (MG Series)

	MG5000 No ATZ	MG5000 ATZ	MG5050 No ATZ	MG5050 ATZ
Zone 1:	Panel Input 1	Panel Input 1A	Panel Input 1	Panel Input 1A
Zone 2:	Panel Input 2	Panel Input 2A	Panel Input 2	Panel Input 2A
Zone 3:	**ZX8 A Input 1**	ZX8 A Input 1B	Panel Input 3	Panel Input 3A
Zone 4:	Input 2	ZX8 A Input 2B	Panel Input 4	Panel Input 4A
Zone 5:	Input 3	**ZX8 A Input 1**	Panel Input 5	Panel Input 5A
Zone 6:	Input 4	Input 2	**ZX8 A Input 1**	Panel Input 1B
Zone 7:	Input 5	Input 3	Input 2	Panel Input 2B
Zone 8:	Input 6	Input 4	Input 3	Panel Input 3B
Zone 9:	Input 7	Input 5	Input 4	Panel Input 4B
Zone 10:	Input 8	Input 6	Input 5	Panel Input 5B
Zone 11:	**ZX8 B Input 1**	Input 7	Input 6	**ZX8 A Input 1**
Zone 12:	Input 2	Input 8	Input 7	Input 2
Zone 13:	Input 3	**ZX8 B Input 1**	Input 8	Input 3
Zone 14:	Input 4	Input 2	**ZX8 B Input 1**	Input 4
Zone 15:	Input 5	Input 3	Input 2	Input 5
Zone 16:	Input 6	Input 4	Input 3	Input 6
Zone 17:	Input 7	Input 5	Input 4	Input 7
Zone 18:	Input 8	Input 6	Input 5	Input 8
Zone 19:	**ZX8 C Input 1**	Input 7	Input 6	**ZX8 B Input 1**
Zone 20:	Input 2	Input 8	Input 7	Input 2
Zone 21:	Input 3	**ZX8 C Input 1**	Input 8	Input 3
Zone 22:	Input 4	Input 2	**ZX8 C Input 1**	Input 4
Zone 23:	Input 5	Input 3	Input 2	Input 5
Zone 24:	Input 6	Input 4	Input 3	Input 6
Zone 25:	Input 7	Input 5	Input 4	Input 7
Zone 26:	Input 8	Input 6	Input 5	Input 8
Zone 27:	N/A	Input 7	Input 6	**ZX8 C Input 1**
Zone 28:	N/A	Input 8	Input 7	Input 2
Zone 29:	N/A	N/A	Input 8	Input 3
Zone 30:	N/A	N/A	N/A	Input 4
Zone 31:	N/A	N/A	N/A	Input 5
Zone 32:	N/A	N/A	N/A	Input 6

Jumper settings for the APR-ZX8: **A** = Panel +1, **B** = Panel + 9, **C** = Panel + 17.

If a zone is already programmed and you assign a device to the same zone, a wireless zone will overwrite a keypad/hardwire zone, and a keypad zone will overwrite a hardwire zone.

Zone Recognition (SP Series)

	SP5500 No ATZ	SP5500 ATZ	SP6000 No ATZ	SP6000 ATZ	SP7000 No ATZ	SP7000 ATZ
Zone 1:	Panel Input 1	Panel Input 1A	Panel Input 1	Panel Input 1A	Panel Input 1	Panel Input 1A
Zone 2:	Panel Input 2	Panel Input 2A	Panel Input 2	Panel Input 2A	Panel Input 2	Panel Input 2A
Zone 3:	Panel Input 3	Panel Input 3A	Panel Input 3	Panel Input 3A	Panel Input 3	Panel Input 3A
Zone 4:	Panel Input 4	Panel Input 4A	Panel Input 4	Panel Input 4A	Panel Input 4	Panel Input 4A
Zone 5:	Panel Input 5	Panel Input 5A	Panel Input 5	Panel Input 5A	Panel Input 5	Panel Input 5A
Zone 6:	**ZX8 A Input 1**	Panel Input 1B	Panel Input 6	Panel Input 6A	Panel Input 6	Panel Input 6A
Zone 7:	Input 2	Panel Input 2B	Panel Input 7	Panel Input 7A	Panel Input 7	Panel Input 7A
Zone 8:	Input 3	Panel Input 3B	Panel Input 8	Panel Input 8A	Panel Input 8	Panel Input 8A
Zone 9:	Input 4	Panel Input 4B	**ZX8 A Input 1**	Panel Input 1B	Panel Input 9	Panel Input 9A
Zone 10:	Input 5	Panel Input 5B	Input 2	Panel Input 2B	Panel Input 10	Panel Input 10A
Zone 11:	Input 6	**ZX8 A Input 1**	Input 3	Panel Input 3B	Panel Input 11	Panel Input 11A
Zone 12:	Input 7	Input 2	Input 4	Panel Input 4B	Panel Input 12	Panel Input 12A
Zone 13:	Input 8	Input 3	Input 5	Panel Input 5B	Panel Input 13	Panel Input 13A
Zone 14:	**ZX8 B Input 1**	Input 4	Input 6	Panel Input 6B	Panel Input 14	Panel Input 14A
Zone 15:	Input 2	Input 5	Input 7	Panel Input 7B	Panel Input 15	Panel Input 15A
Zone 16:	Input 3	Input 6	Input 8	Panel Input 8B	Panel Input 16	Panel Input 16A
Zone 17:	Input 4	Input 7	**ZX8 B Input 1**	**ZX8 A Input 1**	**ZX8 A Input 1**	Panel Input 1B
Zone 18:	Input 5	Input 8	Input 2	Input 2	Input 2	Panel Input 2B
Zone 19:	Input 6	**ZX8 B Input 1**	Input 3	Input 3	Input 3	Panel Input 3B
Zone 20:	Input 7	Input 2	Input 4	Input 4	Input 4	Panel Input 4B
Zone 21:	Input 8	Input 3	Input 5	Input 5	Input 5	Panel Input 5B
Zone 22:	**ZX8 C Input 1**	Input 4	Input 6	Input 6	Input 6	Panel Input 6B
Zone 23:	Input 2	Input 5	Input 7	Input 7	Input 7	Panel Input 7B
Zone 24:	Input 3	Input 6	Input 8	Input 8	Input 8	Panel Input 8B
Zone 25:	Input 4	Input 7	**ZX8 C Input 1**	**ZX8 B Input 1**	**ZX8 B Input 1**	Panel Input 9B
Zone 26:	Input 5	Input 8	Input 2	Input 2	Input 2	Panel Input 10B
Zone 27:	Input 6	**ZX8 C Input 1**	Input 3	Input 3	Input 3	Panel Input 11B
Zone 28:	Input 7	Input 2	Input 4	Input 4	Input 4	Panel Input 12B
Zone 29:	Input 8	Input 3	Input 5	Input 5	Input 5	Panel Input 13B
Zone 30:	N/A	Input 4	Input 6	Input 6	Input 6	Panel Input 14B
Zone 31:	N/A	Input 5	Input 7	Input 7	Input 7	Panel Input 15B
Zone 32:	N/A	Input 6	Input 8	Input 8	Input 8	Panel Input 16B

Jumper settings for the APR-ZX8: **A** = Panel +1, **B** = Panel + 9, **C** = Panel + 17.

If a zone is already programmed and you assign a device to the same zone, a wireless zone will overwrite a keypad/hardwire zone, and a keypad zone will overwrite a hardwire zone.

Zone Timers (MG Series)

Section		MG5000	MG5050	Data		Description (Default 060)
[041]	Zone 1	(Z1):	(Z1):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 1 Speed
[042]	Zone 2	(Z2):	(Z2):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 2 Speed
[043]	Zone 3	(Z1 with ATZ):	(Z3):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 3 Speed
[044]	Zone 4	(Z2 with ATZ):	(Z4):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 4 Speed
[045]	Zone 5		(Z5):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 5 Speed
[046]	Zone 6		(Z1 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 6 Speed
[047]	Zone 7		(Z2 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 7 Speed
[048]	Zone 8		(Z3 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 8 Speed
[049]	Zone 9		(Z4 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 9 Speed
[050]	Zone 10		(Z5 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 11 Speed
[051]	Zone 11			____/____/____	(000 to 255) x 10ms	Hardwire Zone 12 Speed
[052]	Zone 12			____/____/____	(000 to 255) x 10ms	Hardwire Zone 13 Speed
[053]	Zone 13			____/____/____	(000 to 255) x 10ms	Hardwire Zone 14 Speed
[054]	Zone 14			____/____/____	(000 to 255) x 10ms	Hardwire Zone 15 Speed
[055]	Zone 15			____/____/____	(000 to 255) x 10ms	Hardwire Zone 16 Speed
[056]	Zone 16			____/____/____	(000 to 255) x 10ms	Hardwire Zone 17 Speed

Zone Timers (SP Series)

Section		SP5500	SP6000	SP7000	Data		Description (Default 060)
[041]	Zone 1	(Z1):	(Z1):	(Z1):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 1 Speed
[042]	Zone 2	(Z2):	(Z2):	(Z2):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 2 Speed
[043]	Zone 3	(Z3):	(Z3):	(Z3):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 3 Speed
[044]	Zone 4	(Z4):	(Z4):	(Z4):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 4 Speed
[045]	Zone 5	(Z5):	(Z5):	(Z5):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 5 Speed
[046]	Zone 6	(Z1 with ATZ):	(Z6):	(Z6):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 6 Speed
[047]	Zone 7	(Z2 with ATZ):	(Z7):	(Z7):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 7 Speed
[048]	Zone 8	(Z3 with ATZ):	(Z8):	(Z8):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 8 Speed
[049]	Zone 9	(Z4 with ATZ):	(Z1 with ATZ):	(Z9):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 9 Speed
[050]	Zone 10	(Z5 with ATZ):	(Z2 with ATZ):	(Z10):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 11 Speed
[051]	Zone 11		(Z3 with ATZ):	(Z11):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 12 Speed
[052]	Zone 12		(Z4 with ATZ):	(Z12):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 13 Speed
[053]	Zone 13		(Z5 with ATZ):	(Z13):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 14 Speed
[054]	Zone 14		(Z6 with ATZ):	(Z14):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 15 Speed
[055]	Zone 15		(Z7 with ATZ):	(Z15):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 16 Speed
[056]	Zone 16		(Z8 with ATZ):	(Z16):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 17 Speed

Wireless Transmitter Signal Strength

Section		Section		Section		Section	
[101]	Zone 1	[109]	Zone 9	[117]	Zone 17	[125]	Zone 25
[102]	Zone 2	[110]	Zone 10	[118]	Zone 18	[126]	Zone 26
[103]	Zone 3	[111]	Zone 11	[119]	Zone 19	[127]	Zone 27
[104]	Zone 4	[112]	Zone 12	[120]	Zone 20	[128]	Zone 28
[105]	Zone 5	[113]	Zone 13	[121]	Zone 21	[129]	Zone 29
[106]	Zone 6	[114]	Zone 14	[122]	Zone 22	[130]	Zone 30
[107]	Zone 7	[115]	Zone 15	[123]	Zone 23	[131]	Zone 31
[108]	Zone 8	[116]	Zone 16	[124]	Zone 24	[132]	Zone 32

Signal Strength Indicator	8 to 10 / 3 beeps = Best signal	5 to 7 / 2 beeps = Average signal	1 to 4 / 1 beep = Weak signal (Relocate)

To view the wireless transmitter signal strength, press the wireless transmitter's anti-tamper switch while in the respective section.

Zone Reporting Codes (Default = FF)

Section		Alarm	Alarm Restore	Tamper	Tamper Restore
[141]	Zone 1:	_____/_____	_____/_____	_____/_____	_____/_____
[142]	Zone 2:	_____/_____	_____/_____	_____/_____	_____/_____
[143]	Zone 3:	_____/_____	_____/_____	_____/_____	_____/_____
[144]	Zone 4:	_____/_____	_____/_____	_____/_____	_____/_____
[145]	Zone 5:	_____/_____	_____/_____	_____/_____	_____/_____
[146]	Zone 6:	_____/_____	_____/_____	_____/_____	_____/_____
[147]	Zone 7:	_____/_____	_____/_____	_____/_____	_____/_____
[148]	Zone 8:	_____/_____	_____/_____	_____/_____	_____/_____
[149]	Zone 9:	_____/_____	_____/_____	_____/_____	_____/_____
[150]	Zone 10:	_____/_____	_____/_____	_____/_____	_____/_____
[151]	Zone 11:	_____/_____	_____/_____	_____/_____	_____/_____
[152]	Zone 12:	_____/_____	_____/_____	_____/_____	_____/_____
[153]	Zone 13:	_____/_____	_____/_____	_____/_____	_____/_____
[154]	Zone 14:	_____/_____	_____/_____	_____/_____	_____/_____
[155]	Zone 15:	_____/_____	_____/_____	_____/_____	_____/_____
[156]	Zone 16:	_____/_____	_____/_____	_____/_____	_____/_____
[157]	Zone 17:	_____/_____	_____/_____	_____/_____	_____/_____
[158]	Zone 18:	_____/_____	_____/_____	_____/_____	_____/_____
[159]	Zone 19:	_____/_____	_____/_____	_____/_____	_____/_____
[160]	Zone 20:	_____/_____	_____/_____	_____/_____	_____/_____
[161]	Zone 21:	_____/_____	_____/_____	_____/_____	_____/_____
[162]	Zone 22:	_____/_____	_____/_____	_____/_____	_____/_____
[163]	Zone 23:	_____/_____	_____/_____	_____/_____	_____/_____
[164]	Zone 24:	_____/_____	_____/_____	_____/_____	_____/_____
[165]	Zone 25:	_____/_____	_____/_____	_____/_____	_____/_____
[166]	Zone 26:	_____/_____	_____/_____	_____/_____	_____/_____
[167]	Zone 27:	_____/_____	_____/_____	_____/_____	_____/_____
[168]	Zone 28:	_____/_____	_____/_____	_____/_____	_____/_____
[169]	Zone 29:	_____/_____	_____/_____	_____/_____	_____/_____
[170]	Zone 30:	_____/_____	_____/_____	_____/_____	_____/_____
[171]	Zone 31:	_____/_____	_____/_____	_____/_____	_____/_____
[172]	Zone 32:	_____/_____	_____/_____	_____/_____	_____/_____

Refer to *Decimal and Hexadecimal Values* on page 41.

Programmable Output Programming

Programmable Output Activation/Deactivation Events

	Section	Event Group #	Sub-Group #	Partition # (99 for both partitions)	Default
[220]	PGM 1: Activation Event	(____/____)	(____/____)	(____/____)	08/99/99*
[221]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[222]	PGM 2: Activation Event	(____/____)	(____/____)	(____/____)	09/99/99†
[223]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[224]	PGM 3: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[225]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[226]	PGM 4: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[227]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[228]	PGM 5: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[229]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[230]	PGM 6: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[231]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[232]	PGM 7: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[233]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[234]	PGM 8: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[235]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[236]	PGM 9: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[237]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[238]	PGM 10: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[239]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[240]	PGM 11: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[241]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[242]	PGM 12: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[243]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[244]	PGM 13: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[245]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[246]	PGM 14: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[247]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[248]	PGM 15: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[249]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[250]	PGM 16: Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[251]	Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00

***** Section **[220]** PGM 1 Activation Event **default** = (Option B Remote Assignment) Button pressed on Any remote/Any partition.
† Section **[222]** PGM 2 Activation Event **default** = (Option C Remote Assignment) Button pressed on Any remote/Any partition.
See Button Options Table on page 23.

Event Description

Event Group #	Sub-group #
00 = Zone OK **01 = Zone open**	01 to 32 = Zone number 99 = Any zone number
02 = Partition status	00 to 01= N/A 02 = Silent alarm 03 = Buzzer alarm 04 = Steady alarm 05 = Pulsed alarm 06 = Strobe 07 = Alarm stopped 08 = Squawk ON (Partition 1 only) 09 = Squawk OFF (Partition 1 only) 10 = Ground start (Partition 1 only) 11 = Disarm partition 12 = Arm partition 13 = Entry delay started 14 = Exit delay started 99 = Any partition status event
03 = Bell status (Partition 1 only)	00 = Bell OFF 01 = Bell ON 02 = Bell squawk arm 03 = Bell squawk disarm 99 = Any bell status event
06 = Non-reportable event	00 = Telephone line trouble 01 = [ENTER] / [CLEAR] / [⏻] key was pressed (Partition 1 only) 02 = N/A 03 = Arm in stay mode 04 = Arm in sleep mode 05 = Arm in force mode 06 = Full arm when armed in stay mode 07 = PC fail to communicate (Partition 1 only) 08 = Utility Key 1 pressed (keys [1] and [2]) (Partition 1 only) 09 = Utility Key 2 pressed (keys [2] and [3]) (Partition 1 only) 10 = Utility Key 3 pressed (keys [4] and [5]) (Partition 1 only) 11 = Utility Key 4 pressed (keys [5] and [6]) (Partition 1 only) 12 = Utility Key 5 pressed (keys [7] and [8]) (Partition 1 only) 13 = Utility Key 6 pressed (keys [8] and [9]) (Partition 1 only) 14 = Tamper generated alarm 15 = Supervision loss generated alarm 16 = N/A 17 = N/A 18 = N/A 19 = N/A 20 = Full arm when armed in sleep mode 21 = Firmware upgrade (Partition 1 only) 99 = Any non-reportable event
07 = Remote control access **08 = Button pressed on remote** (See button option “B” on page 23) **09 = Button pressed on remote** (See button option “C” on page 23) **10 = Button pressed on remote** (See button option “D” on page 23) **11 = Button pressed on remote** (See button option “E” on page 23)	01 to 32 = Remote control number 99 = Any remote control number
12 = Cold start wireless zone	01 to 32 = Zone number 99 = Any zone number

Event Group #	Sub-group #
13 = Cold start wireless module (Partition 1 only)	01 to 16 = Output number 17 to 18 = Wireless repeater 19 to 22 = Wireless keypad 99 = Any output number
14 = Bypass programming **15 = User code activated output (Partition 1 only)**	01 to 32 = User number 99 = Any user number
16 = Wireless smoke maintenance signal **17 = Delay zone alarm transmission** **18 = Zone signal strength weak 1 (Partition 1 only)** **19 = Zone signal strength weak 2 (Partition 1 only)** **20 = Zone signal strength weak 3 (Partition 1 only)** **21 = Zone signal strength weak 4 (Partition 1 only)**	01 to 32 = Zone number 99 = Any zone number
24 = Fire Delay started	01 to 32 = Zone number 99 = Any zone number
25 to 26 = N/A	
27 = Bus module event	00 = A bus module was added 01 = A bus module was removed 02 = 2-way RF Module Communication Failure 03 = 2-way RF Module Communication Restored
28 = StayD pass acknowledged	01 to 32 = Zone number 99 = Any zone number
29 = Arming with user	01 to 32 = User number 99 = Any user number
30 = Special arming	00 = Auto-arming (on time/no movement) 01 = Late to close 02 = No movement arming 03 = Partial arming 04 = Quick arming 05 = Arming through WinLoad 99 = Any special arming
31 = Disarming with user **32 = Disarming after alarm with user** **33 = Alarm cancelled with user**	01 to 32 = User number 99 = Any user number
34 = Special disarming	00 = Auto-arm cancelled (on time/no movement) 01 = Disarming through WinLoad 02 = Disarming through WinLoad after alarm 03 = Alarm cancelled through WinLoad 04 = Paramedical alarm cancelled 99 = Any special disarming
35 = Zone bypassed **36 = Zone in alarm** **37 = Fire alarm** **38 = Zone alarm restore** **39 = Fire alarm restore**	01 to 32 = Zone number 99 = Any zone number
40 = Special alarm	00 = Panic non-medical emergency 01 = Panic medical (this panic alarm is not UL approved) 02 = Panic fire 03 = Recent closing 04 = Global shutdown 05 = Duress alarm 06 = Keypad lockout (Partition 1 only) 99 = Any special alarm event
41 = Zone shutdown **42 = Zone tampered** **43 = Zone tamper restore**	01 to 32 = Zone number 99 = Any zone number

Event Group #	Sub-group #
44 = New trouble **(Partition 1 only except sub-group 07 = both partitions)**	00 = N/A 01 = AC failure 02 = Battery failure 03 = Auxiliary current overload 04 = Bell current overload 05 = Bell disconnected 06 = Clock loss 07 = Fire loop trouble 08 = Fail to communicate to monitoring station telephone #1 09 = Fail to communicate to monitoring station telephone #2 10 = Fail to communicate to pager report 11 = Fail to communicate to voice report 12 = RF interference 99 = Any new trouble event
45 = Trouble restored	00 = Telephone line restored 01 = AC failure restore 02 = Battery failure restore 03 = Auxiliary current overload restore 04 = Bell current overload restore 05 = Bell disconnected restore 06 = Clock loss restore 07 = Fire loop trouble restore 12 = RF interference restore 99 = Any trouble restored event
46 = Bus/wireless module new trouble (Partition 1 only)	00 = Bus communication fault 01 = Tamper trouble 02 = Power fail 03 = Battery failure 99 = Any bus module new trouble event
47 = Bus/wireless module trouble restored (Partition 1 only)	00 = Bus communication fault restore 01 = Tamper trouble restore 02 = Power fail 03 = Battery failure 99 = Any bus module trouble restored event
48 = Special (Partition 1 only)	00 = System power up 01 = Reporting test 02 = WinLoad log on 03 = WinLoad log off 04 = Installer in programming mode 05 = Installer exited programming mode 06 = Maintenance in programming mode 07 = Maintenance exited programming mode 08 = Closing delinquency delay elapsed 99 = Any special event
49 = Low battery on zone **50 = Low battery on zone restore** **51 = Zone supervision trouble** **52 = Zone supervision restore**	01 to 32 = Zone number 99 = Any zone number
53 = Wireless module supervision trouble (Partition 1 only) **54 = Wireless module supervision restore (Partition 1 only)** **55 = Wireless module tamper trouble (Partition 1 only)** **56 = Wireless module tamper restore (Partition 1 only)**	01 to 16 = Output 17 to 18 = Wireless repeater 19 to 22 = Wireless keypad
57 = Non-medical alarm (paramedic)	01 to 32 = User number 99 = Any user number
58 = Zone forced **59 = Zone included**	01 to 32 = Zone number 99 = Any zone number

Refer to the **Installer Quick Menu** on page 3 for alternate PGM programming.

Programmable Output Options

Default: **Bold**	Section:	PGM 1 [261]		PGM 2 [262]		PGM 3 [263]		PGM 4 [264]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec; On=Min)	■	□	■	□	■	□	■	□
[2]	PGM State (Off=N.O., On=N.C.)	■	□	■	□	■	□	■	□
[3]	PGM Supervision	□	■	□	■	□	■	□	■
[4]	PGM Activation Mode (Off=Steady, On=Pulse)	■	□	■	□	■	□	■	□
[5]	PGM Pulse once every 30 seconds if armed	■	□	■	□	■	□	■	□
[6]	PGM Pulse on any alarm	■	□	■	□	■	□	■	□
[7]	PGM Pulse on any alarm - OFF= Partition 1 On= Partition 2	■	□	■	□	■	□	■	□
[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Default: **Bold**	Section:	PGM 5 [265]		PGM 6 [266]		PGM 7 [267]		PGM 8 [268]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec.; On=Min.)	■	□	■	□	■	□	■	□
[2]	PGM State (Off=N.O., On= N.C.)	■	□	■	□	■	□	■	□
[3]	PGM Supervision	□	■	□	■	□	■	□	■
[4]	PGM Activation Mode (Off=Steady, ON=Pulse)	■	□	■	□	■	□	■	□
[5]	PGM Pulse once every 30 seconds if armed	■	□	■	□	■	□	■	□
[6]	PGM Pulse on any alarm	■	□	■	□	■	□	■	□
[7]	PGM Pulse on any alarm - OFF= Partition 1 On= Partition 2	■	□	■	□	■	□	■	□
[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Default: **Bold**	Section:	PGM 9 [269]		PGM 10 [270]		PGM 11 [271]		PGM 12 [272]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec; On=Min)	■	□	■	□	■	□	■	□
[2]	PGM State (Off=N.O., On=N.C.)	■	□	■	□	■	□	■	□
[3]	PGM Supervision	□	■	□	■	□	■	□	■
[4]	PGM Activation Mode (Off=Steady, On=Pulse)	■	□	■	□	■	□	■	□
[5]	PGM Pulse once every 30 seconds if armed	■	□	■	□	■	□	■	□
[6]	PGM Pulse on any alarm	■	□	■	□	■	□	■	□
[7]	PGM Pulse on any alarm - OFF= Partition 1 On= Partition 2	■	□	■	□	■	□	■	□
[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Default: **Bold**	Section:	PGM 13 [273]		PGM 14 [274]		PGM 15 [275]		PGM 16 [276]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec; On=Min)	■	□	■	□	■	□	■	□
[2]	PGM State (Off=N.O., On=N.C.)	■	□	■	□	■	□	■	□
[3]	PGM Supervision	□	■	□	■	□	■	□	■
[4]	PGM Activation Mode (Off=Steady, On=Pulse)	■	□	■	□	■	□	■	□
[5]	PGM Pulse once every 30 seconds if armed	■	□	■	□	■	□	■	□
[6]	PGM Pulse on any alarm	■	□	■	□	■	□	■	□
[7]	PGM Pulse on any alarm - OFF= Partition 1 On= Partition 2	■	□	■	□	■	□	■	□
[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Programmable Output Delays

Section		MG5000/SP5500 Data Default = 005	MG5050/SP6000/SP7000 Data Default = 005
[281]	PGM 1*†:	___/___/___ (000 to 255 x 1 sec./mins.)	___/___/___ (000 to 255 x 1 sec./mins.)
[282]:	PGM 2*†:	___/___/___ (000 to 255 x 1 sec./mins.)	___/___/___ (000 to 255 x 1 sec./mins.)
[283]:	PGM 3†:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (000 to 255 x 1 sec./mins.)
[284]:	PGM 4†:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (000 to 255 x 1 sec./mins.)
[285]	PGM 5:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[286]	PGM 6:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[287]	PGM 7:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[288]	PGM 8:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[289]	PGM 9:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[290]	PGM 10:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[291]:	PGM 11:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[292]	PGM 12:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[293]	PGM 13:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[294]	PGM 14:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[295]	PGM 15:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)
[296]	PGM 16:	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)	___/___/___ (001 / 005 / 015 / 030 x 1 sec./mins.)

* = hardwired (MG5000/SP5500) † = hardwired (MG5050/SP6000/SP7000)

PGMs Serial Number

Section		Wireless PGM Serial Number	Section		Wireless PGM Serial Number
[301]	PGM 1:	____/____/____/____/____/____	**[309]**	PGM 9:	____/____/____/____/____/____
[302]	PGM 2:	____/____/____/____/____/____	**[310]**	PGM 10:	____/____/____/____/____/____
[303]	PGM 3:	____/____/____/____/____/____	**[311]**	PGM 11:	____/____/____/____/____/____
[304]	PGM 4:	____/____/____/____/____/____	**[312]**	PGM 12:	____/____/____/____/____/____
[305]	PGM 5:	____/____/____/____/____/____	**[313]**	PGM 13:	____/____/____/____/____/____
[306]	PGM 6:	____/____/____/____/____/____	**[314]**	PGM 14:	____/____/____/____/____/____
[307]	PGM 7:	____/____/____/____/____/____	**[315]**	PGM 15:	____/____/____/____/____/____
[308]	PGM 8:	____/____/____/____/____/____	**[316]**	PGM 16:	____/____/____/____/____/____

To delete a wireless PGM, enter [000000] in its respective section.
To view the serial number display, refer to section **[960]**.
For automatic assignment, press the PGM's anti-tamper switch while in the respective section.

Refer to the **Installer Quick Menu** on page 3 for alternate PGM programming.

Wireless PGM Signal Strength

Section		Section	
[321]	PGM 1 Wireless PGM Signal Strength	**[329]**	PGM 9 Wireless PGM Signal Strength
[322]	PGM 2 Wireless PGM Signal Strength	**[330]**	PGM 10 Wireless PGM Signal Strength
[323]	PGM 3 Wireless PGM Signal Strength	**[331]**	PGM 11 Wireless PGM Signal Strength
[324]	PGM 4 Wireless PGM Signal Strength	**[332]**	PGM 12 Wireless PGM Signal Strength
[325]	PGM 5 Wireless PGM Signal Strength	**[333]**	PGM 13 Wireless PGM Signal Strength
[326]	PGM 6 Wireless PGM Signal Strength	**[334]**	PGM 14 Wireless PGM Signal Strength
[327]	PGM 7 Wireless PGM Signal Strength	**[335]**	PGM 15 Wireless PGM Signal Strength
[328]	PGM 8 Wireless PGM Signal Strength	**[336]**	PGM 16 Wireless PGM Signal Strength

Signal Strength Indicator	8 to 10 / 3 beeps = Best signal	5 to 7 / 2 beeps = Average signal	1 to 4 / 1 beep = Weak signal (Relocate)

To view the wireless PGM signal strength, press the wireless PGM's anti-tamper switch while in the respective section.

PGM Recognition

	MG5000/SP5500	MG5050/SP6000/SP7000
PGM 1	Control Panel Output 1	Control Panel Output 1
PGM 2	Control Panel Output 2	Control Panel Output 2
PGM 3	N/A	Control Panel Output 3
PGM 4	N/A	Control Panel Output 4
PGM 5	N/A	Control Panel Relay
PGM 6	ZX8 ID= 1 Output	ZX8 ID= 1 Output
PGM 7	ZX8 ID= 2 Output	ZX8 ID= 2 Output
PGM 8	ZX8 ID= 3 Output	ZX8 ID= 3 Output
PGM 9	PGM4 Output 1	PGM4 Output 1
PGM 10	PGM4 Output 2	PGM4 Output 2
PGM 11	PGM4 Output 3	PGM4 Output 3
PGM 12	PGM4 Output 4	PGM4 Output 4
PGM 13	RTX3 Output 1	RTX3 Output 1
PGM 14	RTX3 Output 2	RTX3 Output 2
PGM 15	RTX3 Output 3	RTX3 Output 3
PGM 16	RTX3 Output 4	RTX3 Output 4

A Wireless PGM module can be assigned to any PGM. It will work in parallel with the Control Panel Output.

User Programming

Refer to the **Installer Quick Menu** on page 3 for installer or maintenance code programming.
Refer to the **Master Quick Menu** in the User Guide for user code/remote control programming.

System Codes

Section	Data	Description
[395]	____/____/____(147 to lock, other to unlock)	Installer Code Lock (default 000)
[397]	____/____/____/____/____/____	Installer Code (default = 000000)*
[398]	____/____/____/____/____/____	Maintenace Code (default = 111111)*
[399]	____/____/____/____/____/____	System Master Code (default = 123456)*

*4 or 6 digits according to section [701] option [1]. The control panel automatically removes the last 2 digits of the user access code if the length is changed from 6 digits to 4 digits. However, if the user access code length is changed from 4 to 6 digits, the control panel adds 2 digits to the end by using the first two digits.

Maintenance Code Limited Access Table			
These are the sections that the Maintenance Code cannot access:			
[395]	Installer code lock	**[816]**	Monitoring station telephone number 2
[397]	Installer code	**[817]**	Backup monitoring station telephone
[398]	Maintenance code	**[910]**	Panel ID
[815]	Monitoring station telephone number 1	**[911]**	PC password

User Code Options

User Options

1 - Partition 1 Access
2 - Partition 2 Access
3 - Bypass Programming
4 - Stay/Sleep Arming
5 - Force Arming (Regular/Sleep/StayArming)
6 - Arm Only
7 - PGM Activation Only
8 - Duress

When section [400] is accessed, the panel will copy the saved value of that section to all user options- [404] to [432].

Section		Options	Section		Options
[400]	Default Option	1 2 3 4 5 6 7 8	**[417]**	User 17:	1 2 3 4 5 6 7 8
[401]	System Master:	1 2 3 4 5 6 7 8	**[418]**	User 18:	1 2 3 4 5 6 7 8
[402]	Master 1:	1 2 3 4 5 6 7 8	**[419]**	User 19:	1 2 3 4 5 6 7 8
[403]	Master 2:	1 2 3 4 5 6 7 8	**[420]**	User 20:	1 2 3 4 5 6 7 8
[404]	User 4:	① ② ③ ④ ⑤ 6 7 8	**[421]**	User 21:	1 2 3 4 5 6 7 8
[405]	User 5:	① 2 ③ ④ ⑤ 6 7 8	**[422]**	User 22:	1 2 3 4 5 6 7 8
[406]	User 6:	1 ② ③ ④ ⑤ 6 7 8	**[423]**	User 23:	1 2 3 4 5 6 7 8
[407]	User 7:	1 2 3 4 5 6 7 8	**[424]**	User 24:	1 2 3 4 5 6 7 8
[408]	User 8:	1 2 3 4 5 6 7 8	**[425]**	User 25	1 2 3 4 5 6 7 8
[409]	User 9:	1 2 3 4 5 6 7 8	**[426]**	User 26:	1 2 3 4 5 6 7 8
[410]	User 10:	1 2 3 4 5 6 7 8	**[427]**	User 27:	1 2 3 4 5 6 7 8
[411]	User 11:	1 2 3 4 5 6 7 8	**[428]**	User 28:	1 2 3 4 5 6 7 8
[412]	User 12:	1 2 3 4 5 6 7 8	**[429]**	User 29:	1 2 3 4 5 6 7 8
[413]	User 13:	1 2 3 4 5 6 7 8	**[430]**	User 30:	1 2 3 4 5 6 7 8
[414]	User 14:	1 2 3 4 5 6 7 8	**[431]**	User 31:	1 2 3 4 5 6 7 8
[415]	User 15:	1 2 3 4 5 6 7 8	**[432]**	User 32:	1 2 3 4 5 6 7 8
[416]	User 16:	1 2 3 4 5 6 7 8			

The System Master, Master 1, and Master 2 user code options cannot be modified. However, if partitioning is not enabled, the user code options for Master 2 will match those of Master 1.

User Reporting Codes (Default = FF)

Section		Arming	Disarming/Cancel Alarm	Section		Arming	Disarming/Cancel Alarm
[471]	S. Master:	____/____	____/____	[487]	User 17:	____/____	____/____
[472]	Master 1:	____/____	____/____	[488]	User 18:	____/____	____/____
[473]	Master 2:	____/____	____/____	[489]	User 19:	____/____	____/____
[474]	User 4:	____/____	____/____	[490]	User 20:	____/____	____/____
[475]	User 5:	____/____	____/____	[491]	User 21:	____/____	____/____
[476]	User 6:	____/____	____/____	[492]	User 22:	____/____	____/____
[477]	User 7:	____/____	____/____	[493]	User 23:	____/____	____/____
[478]	User 8:	____/____	____/____	[494]	User 24:	____/____	____/____
[479]	User 9:	____/____	____/____	[495]	User 25:	____/____	____/____
[480]	User 10:	____/____	____/____	[496]	User 26:	____/____	____/____
[481]	User 11:	____/____	____/____	[497]	User 27:	____/____	____/____
[482]	User 12:	____/____	____/____	[498]	User 28:	____/____	____/____
[483]	User 13:	____/____	____/____	[499]	User 29:	____/____	____/____
[484]	User 14:	____/____	____/____	[500]	User 30:	____/____	____/____
[485]	User 15:	____/____	____/____	[501]	User 31:	____/____	____/____
[486]	User 16:	____/____	____/____	[502]	User 32:	____/____	____/____

Refer to *Decimal and Hexadecimal Values* on page 41.

Remote Control (RC) User Assignment

Section		Remote Serial Number	Section		Remote Serial Number
[651]	RC 1 for User 1:	____/____/____/____/____/____	[667]	RC 17 for User 17:	____/____/____/____/____/____
[652]	RC 2 for User 2:	____/____/____/____/____/____	[668]	RC 18 for User 18:	____/____/____/____/____/____
[653]	RC 3 for User 3:	____/____/____/____/____/____	[669]	RC 19 for User 19:	____/____/____/____/____/____
[654]	RC 4 for User 4:	____/____/____/____/____/____	[670]	RC 20 for User 20:	____/____/____/____/____/____
[655]	RC 5 for User 5:	____/____/____/____/____/____	[671]	RC 21 for User 21:	____/____/____/____/____/____
[656]	RC 6 for User 6:	____/____/____/____/____/____	[672]	RC 22 for User 22:	____/____/____/____/____/____
[657]	RC 7 for User 7:	____/____/____/____/____/____	[673]	RC 23 for User 23:	____/____/____/____/____/____
[658]	RC 8 for User 8:	____/____/____/____/____/____	[674]	RC 24 for User 24:	____/____/____/____/____/____
[659]	RC 9 for User 9:	____/____/____/____/____/____	[675]	RC 25 for User 25:	____/____/____/____/____/____
[660]	RC 10 for User 10:	____/____/____/____/____/____	[676]	RC 26 for User 26:	____/____/____/____/____/____
[661]	RC 11 for User 11:	____/____/____/____/____/____	[677]	RC 27 for User 27:	____/____/____/____/____/____
[662]	RC 12 for User 12:	____/____/____/____/____/____	[678]	RC 28 for User 28:	____/____/____/____/____/____
[663]	RC 13 for User 13:	____/____/____/____/____/____	[679]	RC 29 for User 29:	____/____/____/____/____/____
[664]	RC 14 for User 14:	____/____/____/____/____/____	[680]	RC 30 for User 30:	____/____/____/____/____/____
[665]	RC 15 for User 15:	____/____/____/____/____/____	[681]	RC 31 for User 31:	____/____/____/____/____/____
[666]	RC 16 for User 16:	____/____/____/____/____/____	[682]	RC 32 for User 32:	____/____/____/____/____/____

To delete a remote control, enter [000000] in its respective section. To view the serial number display, refer to section **[960]**. This section of the programming guide is for viewing the assigned remote control's serial number only. For automatic assignment, press a button on the designated remote while in the respective section.

Refer to the **Master Quick Menu** in the User Guide for user code/remote control programming.

Remote Button Assignment

When section [610] is accessed, the panel will copy the saved value of that section to all remotes.

Section	RC#	Data (Default: 1BC_)				Section	RC#	Data (Default: 1BC_)			
		🔒	⏻	→	⏻ + →			🔒	⏻	→	⏻ + →
[610]	Default					[627]	17				
[611]	1					[628]	18				
[612]	2					[629]	19				
[613]	3					[630]	20				
[614]	4					[631]	21				
[615]	5					[632]	22				
[616]	6					[633]	23				
[617]	7					[634]	24				
[618]	8					[635]	25				
[619]	9					[636]	26				
[620]	10					[637]	27				
[621]	11					[638]	28				
[622]	12					[639]	29				
[623]	13					[640]	30				
[624]	14					[641]	31				
[625]	15					[642]	32				
[626]	16										

MG-REM1

MG-REM2

= Disarm Button (cannot be modified)

Button Options Table

Empty* - Button disabled
1 - Regular/Regular Force arming
2 - Stay/Stay Force arming
3 - N/A
4 - Sleep/Sleep Force arming
5 - N/A
6 - N/A
7 - N/A
8 - Panic 1
9 - Panic 2
A - Panic 3
B - PGM Activation (Event Group #8, see PGM Programming)
C - PGM Activation (Event Group #9, see PGM Programming)
D - PGM Activation (Event Group #10, see PGM Programming)
E - PGM Activation (Event Group #11, see PGM Programming)
F - Paramedic alarm

* If you do not enter a value for a button, that button is disabled.

Refer to *Decimal and Hexadecimal Values* on page 41.

Wireless Repeater Programming (MG-RPT1)

Wireless Repeater Assignment

Section		Wireless Repeater Serial Number
[545]	Repeater 1	____/____/____/____/____/____/
[546]	Repeater 2	____/____/____/____/____/____/

For automatic assignment, press the wireless repeater's anti-tamper switch while in the respective section.

Wireless Repeater Signal Strength

Section	
[548]	Wireless Repeater 1 Signal Strength
[549]	Wireless Repeater 2 Signal Strength

Signal Strength Indicator	8 to 10 / 3 beeps = Best signal	5 to 7 / 2 beeps = Average signal	1 to 4 / 1 beep = Weak signal (Relocate)

To view the wireless repeater's signal strength, press the wireless repeater's anti-tamper switch while in the respective section.

Wireless Repeater Options

Default: **Bold**		Section:	MG-RPT1 #1 [551]		MG-RPT1 #2 [561]	
Option			OFF	ON	OFF	ON
[1]	Wireless Repeater Supervision		☐	■	☐	■
[2]	N/A		N/A	N/A	N/A	N/A
[3]	N/A		N/A	N/A	N/A	N/A
[4]	N/A		N/A	N/A	N/A	N/A
[5]	Repeat Wireless Keypad 1 Signals		■	☐	■	☐
[6]	Repeat Wireless Keypad 2 Signals		■	☐	■	☐
[7]	Repeat Wireless Keypad 3 Signals		■	☐	■	☐
[8]	Repeat Wireless Keypad 4 Signals		■	☐	■	☐

Default: **Bold**		Section:	MG-RPT1 #1 [552]		MG-RPT1 #2 [562]	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 1 Signals		■	☐	■	☐
[2]	Repeat Wireless Zone 2 Signals		■	☐	■	☐
[3]	Repeat Wireless Zone 3 Signals		■	☐	■	☐
[4]	Repeat Wireless Zone 4 Signals		■	☐	■	☐
[5]	Repeat Wireless Zone 5 Signals		■	☐	■	☐
[6]	Repeat Wireless Zone 6 Signals		■	☐	■	☐
[7]	Repeat Wireless Zone 7 Signals		■	☐	■	☐
[8]	Repeat Wireless Zone 8 Signals		■	☐	■	☐

Default: **Bold**		Section:	MG-RPT1 #1 [553]		MG-RPT1 #2 [563]	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 9 Signals		☐	☐	☐	☐
[2]	Repeat Wireless Zone 10 Signals		☐	☐	☐	☐
[3]	Repeat Wireless Zone 11 Signals		☐	☐	☐	☐
[4]	Repeat Wireless Zone 12 Signals		☐	☐	☐	☐
[5]	Repeat Wireless Zone 13 Signals		☐	☐	☐	☐
[6]	Repeat Wireless Zone 14 Signals		☐	☐	☐	☐
[7]	Repeat Wireless Zone 15 Signals		☐	☐	☐	☐
[8]	Repeat Wireless Zone 16 Signals		☐	☐	☐	☐

Default: **Bold**		Section:	MG-RPT1 #1 [554]		MG-RPT1 #2 [564]	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 17 Signals		☐	☐	☐	☐
[2]	Repeat Wireless Zone 18 Signals		☐	☐	☐	☐
[3]	Repeat Wireless Zone 19 Signals		☐	☐	☐	☐
[4]	Repeat Wireless Zone 20 Signals		☐	☐	☐	☐
[5]	Repeat Wireless Zone 21 Signals		☐	☐	☐	☐
[6]	Repeat Wireless Zone 22 Signals		☐	☐	☐	☐
[7]	Repeat Wireless Zone 23 Signals		☐	☐	☐	☐
[8]	Repeat Wireless Zone 24 Signals		☐	☐	☐	☐

Default: **Bold**		Section:	MG-RPT1 #1 [555]		MG-RPT1 #2 [565]	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 25 Signals		☐	☐	☐	☐
[2]	Repeat Wireless Zone 26 Signals		☐	☐	☐	☐
[3]	Repeat Wireless Zone 27 Signals		☐	☐	☐	☐
[4]	Repeat Wireless Zone 28 Signals		☐	☐	☐	☐
[5]	Repeat Wireless Zone 29 Signals		☐	☐	☐	☐
[6]	Repeat Wireless Zone 30 Signals		☐	☐	☐	☐
[7]	Repeat Wireless Zone 31 Signals		☐	☐	☐	☐
[8]	Repeat Wireless Zone 32 Signals		☐	☐	☐	☐

Default: **Bold**		Section:	MG-RPT1 #1 [556]		MG-RPT1 #2 [566]	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless 2-Way PGM 1 Signals		■	□	■	□
[2]	Repeat Wireless 2-Way PGM 2 Signals		■	□	■	□
[3]	Repeat Wireless 2-Way PGM 3 Signals		■	□	■	□
[4]	Repeat Wireless 2-Way PGM 4 Signals		■	□	■	□
[5]	Repeat Wireless 2-Way PGM 5 Signals		■	□	■	□
[6]	Repeat Wireless 2-Way PGM 6 Signals		■	□	■	□
[7]	Repeat Wireless 2-Way PGM 7 Signals		■	□	■	□
[8]	Repeat Wireless 2-Way PGM 8 Signals		■	□	■	□

Default: **Bold**		Section:	MG-RPT1 #1 [557]		MG-RPT1 #2 [567]	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless 2-Way PGM 9 Signals		■	□	■	□
[2]	Repeat Wireless 2-Way PGM 10 Signals		■	□	■	□
[3]	Repeat Wireless 2-Way PGM 11 Signals		■	□	■	□
[4]	Repeat Wireless 2-Way PGM 12 Signals		■	□	■	□
[5]	Repeat Wireless 2-Way PGM 13 Signals		■	□	■	□
[6]	Repeat Wireless 2-Way PGM 14 Signals		■	□	■	□
[7]	Repeat Wireless 2-Way PGM 15 Signals		■	□	■	□
[8]	Repeat Wireless 2-Way PGM 16 Signals		■	□	■	□

Remote control signals are always repeated.

Wireless Keypad Programming (MG32LRF)

Automatic Wireless Keypad Assignment

After panel power-up, the control panel will open a 10 minute window for Automatic Assignment. Press and hold the [⏻] and [BYP] key for three seconds on the respective keypad. The keypad is assigned to the control panel. Up to 4 wireless keypads can be assigned within the ten minute window.

Standard Wireless Keypad Assignment

Section		Wireless Keypad Serial Number
[570]	Keypad 1	____/____/____/____/____/____
[571]	Keypad 2	____/____/____/____/____/____
[572]	Keypad 3	____/____/____/____/____/____
[573]	Keypad 4	____/____/____/____/____/____

Enter serial number or press and hold the [⏻] and [BYP] key for three seconds.

Wireless Keypad Signal Strength

Section	
[575]	Wireless Keypad 1 Signal Strength
[576]	Wireless Keypad 2 Signal Strength
[577]	Wireless Keypad 3 Signal Strength
[578]	Wireless Keypad 4 Signal Strength

Signal Strength Indicator	8 to 10 / 3 beeps = Best signal	5 to 7 / 2 beeps = Average signal	1 to 4 / 1 beep = Weak signal (Relocate)

To view the wireless keypad's signal strength, press and hold the [⏻] and [BYP] key for three seconds.

Wireless Keypad Options

[580]	Wireless Keypad Options		**Bold** = Default setting
	Option	**OFF**	**ON**
	[1] Keypad 1 Supervision	☐ Disabled	☐ **Enabled**
	[2] Keypad 2 Supervision	☐ Disabled	☐ **Enabled**
	[3] Keypad 3 Supervision	☐ Disabled	☐ **Enabled**
	[4] Keypad 4 Supervision	☐ Disabled	☐ **Enabled**
	[5] N/A	N/A	N/A
	[6] N/A	N/A	N/A
	[7] N/A	N/A	N/A
	[8] Live Display Mode	☐ Disabled	☐ **Enabled**

System Programming

[700]	General System Options		**Bold** = Default setting
Option		**OFF**	**ON**
[1]	Partitioning	☐ **Disabled**	☐ Enabled
[2]	Battery charging (350mA or 700mA)	☐ **350mA**	☐ 700mA
[3]	Audible trouble warning (except AC failure)	☐ Disabled	☐ **Enabled**
[4]	Audible trouble warning on AC failure	☐ **Disabled**	☐ Enabled
[5]	RF jamming supervision	☐ Disabled	☐ **Enabled**
[6]	Exit delay termination	☐ **Disabled**	☐ Enabled
[7]	Tamper supervision on the bus module	☐ **Disabled**	☐ Enabled
[8]	StayD Mode	☐ Disabled	☐ **Enabled**

[701]	General Code Options		**Bold** = Default setting
Option		**OFF**	**ON**
[1]	Access code length	☐ 6 digits	☐ **4 digits**
[2]	Lock master code	☐ **Disabled**	☐ Enabled
[3]	Confidential mode	☐ **Disabled**	☐ Enabled
[4]	To exit confidential mode	☐ **Enter a code**	☐ Press a key
[5]	Confidential mode timer	☐ **2 minutes**	☐ 5 seconds
[6] to **[8]**	N/A	N/A	N/A

[702]	Panic Options		**Bold** = Default setting
Option		**OFF**	**ON**
[1]	Panic 1	☐ **Disabled**	☐ Enabled
[2]	Panic 2	☐ **Disabled**	☐ Enabled
[3]	Panic 3	☐ **Disabled**	☐ Enabled
[4]	Panic 1: Silent or audible alarm	☐ **Silent**	☐ Audible
[5]	Panic 2: Silent or audible alarm	☐ **Silent**	☐ Audible
[6]	Panic 3: Silent or audible alarm	☐ **Silent**	☐ Audible
[7] & [8]	N/A	N/A	N/A

[703]	Arming/Disarming Options 1		**Bold** = Default setting
Option		**OFF**	**ON**
[1]	One-touch regular/force arming	☐ Disabled	☐ **Enabled**
[2]	One-touch stay arming	☐ Disabled	☐ **Enabled**
[3]	One-touch sleep arming	☐ Disabled	☐ **Enabled**
[4]	One-touch bypass programming	☐ Disabled	☐ **Enabled**
[5]	Restrict arming on battery failure	☐ **Disabled**	☐ Enabled
[6]	Restrict arming on tamper failure (Zone + Bus Module + Wireless PGM)	☐ **Disabled**	☐ Enabled
[7]	Restrict arming on wireless supervision trouble (Zone + Bus Module + Wireless PGM)	☐ **Disabled**	☐ Enabled
[8]	N/A	N/A	N/A

[704] Arming/Disarming Options 2

Bold = Default setting

Option		OFF	ON
[1]	Regular arming switches to force arming	☐ Disabled	☐ **Enabled**
[2]	Stay arming switches to stay force arming	☐ Disabled	☐ **Enabled**
[3]	Sleep arming switches to sleep force arming	☐ Disabled	☐ **Enabled**
[4]	Bell squawk when arm/disarm with remote	☐ **Disabled**	☐ Enabled
[5]	Bell squawk when arm/disarm with a keypad	☐ **Disabled**	☐ Enabled
[6]	Beep on exit delay	☐ Disabled	☐ **Enabled**
[7]	No exit delay beeps and no bell squawk when stay/sleep arm	☐ Disabled	☐ **Enabled**
[8]	No exit delay when arm with a remote	☐ **Disabled**	☐ Enabled

[705] General Zone Options 1

Bold = Default setting

Option		OFF	ON
[1]	ATZ zone doubling	☐ **Disabled**	☐ Enabled
[2]	ATZ wiring options	☐ **Series**	☐ Parallel
[3] & [4]	Tamper Recognition		

[3]	[4]	RF Zone Tamper Recognition Options	Keypad Bus / RF Module Tamper Recognition Options*
OFF	**OFF**	Disabled	TROUBLE ONLY
OFF	ON	TROUBLE ONLY	TROUBLE ONLY
ON	OFF	When disarmed: TROUBLE ONLY When armed: Follow zone's alarm type	TROUBLE ONLY
ON	ON	When disarmed: AUDIBLE ALARM When armed: Follow zone's alarm type	AUDIBLE ALARM

* Tamper recognition of keypad / bus module only if section **[700]** option **[7]** is enabled.

[5]	Generate tamper on bypassed zone	☐ No	☐ **Yes**
[6] & [7]	Supervision Options		

[6]	[7]	RF Zone Supervision Options	Keypad Bus / RF Module Supervision Options
OFF	OFF	Disabled	Disabled
OFF	**ON**	TROUBLE ONLY	TROUBLE ONLY
ON	OFF	When disarmed: TROUBLE ONLY When armed: Follow zone's alarm type	TROUBLE ONLY
ON	ON	When disarmed: AUDIBLE ALARM When armed: Follow zone's alarm type	AUDIBLE ALARM

[8]	Generate supervision on bypassed zone	☐ No	☐ **Yes**

[706] General Zone Options 2

Bold = Default setting

Option		OFF	ON
[1]	Check-in supervision time	☐ **24 hours**	☐ 80 minutes
[2]	EOL resistors	☐ **Disabled**	☐ Enabled
[3]	Zone Input 1 becomes a 2-wire smoke input	☐ **Disabled**	☐ Enabled
[4]	ZX8 ID A Input 1	☐ **Zone A**	☐ Tamper input
[5]	ZX8 ID B Input 1	☐ **Zone B**	☐ Tamper input
[6]	ZX8 ID C Input 1	☐ **Zone C**	☐ Tamper input
[4] to [8]	N/A	N/A	N/A

System Timers

Section		Data	Description
[710]	____/____/____	(000 to 255) seconds	Entry delay 1 (default 045)
[711]	____/____/____	(000 to 255) seconds	Entry delay 2 (default 045)
[712]	____/____/____	(000 to 255)	Auto zone shutdown counter (Default 005)
[713]	____/____/____	(000 to 255) seconds	Intellizone delay (default 048)
[714]	____/____/____	(000 to 255) minutes	Recycle alarm delay (default 000)
[715]	____/____/____	(000 to 255)	Recycle alarm counter (default 000)
[716]	____/____/____	(000 to 255) minutes	Keypad lockout delay (default 000)
[717]	____/____/____	(000 to 255) attempt before locking	Keypad lockout counter (default 000)
[718]	____/____/____	(000 to 255) seconds	Remote panic disarm lock delay (default 000)
[719]	____/____/____	(000 to 255) days	Closing delinquency delay (default 000)
[720]	____/____/____	(000 to 255) seconds	For StayD: Flex-Instant delay (default 015)
[721]	____/____/____	(000 to 255) seconds	For StayD: Re-arm delay (default 005)

Refer to the **Installer Quick Menu** on page 3 for alternate entry/exit and bell cut-off timer programming.

Daylight Savings Programming

[730]	General Zone Options 3	OFF	ON
	Option		
	[1] Daylight savings	☐ **Disabled**	☐ Enabled
	[2] N/A	N/A	N/A

Section	Data	Description
[731]	(00 to 99)	Country code

Country Code List (Default = bold)	
00 = US, Canada, Mexico, St.Johns, Bahamas, Turks and Caicos	09 = Lord Howe Island- Tasmania
01 = Cuba	10 = New Zealand, Chatham
02 = Brazil	11 = Tonga
03 = Chile	12 = Iraq and Syria
04 = Falklands	13 = N/A
05 = Paraguay	14 = Lebanon, Kirgizstan
06 = European Union, UK, and Greenland	15 = Palestine
07 = Russia and most states of the former USSR	16 = Egypt
08 = Australia- South Australia, Victoria, Australian Capital Territory, New South Wales	17 = Namibia
	18 = USA, Canada 2007

Partition Programming

[741]	Partition 1 Options		**Bold** = Default setting
	Option	**OFF**	**ON**
	[1] Auto-arm on time	☐ **Disabled**	☐ Enabled
	[2] Auto-arm on no movement	☐ **Disabled**	☐ Enabled
	Auto-arm arming mode	☐ See Table	☐ See Table
	[3]& [4]		

[3]	[4]	
OFF	**OFF**	Regular
OFF	ON	Sleep
ON	OFF	Stay

	[5] Switch to stay arming if no zone entry delay is opened	☐ **Disabled**	☐ Enabled
	[6] Follow zones become entry delay 2 when delay zone is bypassed	☐ **Disabled**	☐ Enabled
	[7]& [8] N/A	N/A	N/A

[742]	Partition 2 Options		**Bold** = Default setting
	Option	**OFF**	**ON**
	[1] Auto-arm on time	☐ **Disabled**	☐ Enabled
	[2] Auto-arm on no movement	☐ **Disabled**	☐ Enabled
	Auto-arm arming mode	☐ See Table	☐ See Table
	[3]& [4]		

[3]	[4]	
OFF	**OFF**	Regular
OFF	ON	Sleep
ON	OFF	Stay

	[5] Switch to stay arming if no entry delay is opened	☐ **Disabled**	☐ Enabled
	[6] Follow zones become entry delay 2 when delay zone is bypassed	☐ **Disabled**	☐ Enabled
	[7]& [8] N/A	N/A	N/A

Partition Timers

Section		Data	Description
[745]	____/____/____	(000 to 255) seconds	Partition 1 exit delay (default 060)
[746]	____/____/____	(000 to 255) seconds	Partition 2 exit delay (default 060)
[747]	____/____/____	(000 to 255) minutes	Partition 1 bell cut-off (default 004)
[748]	____/____/____	(000 to 255) minutes	Partition 2 bell cut-off (default 004)
[749]	____/____/____	(000 to 255) x 15 minutes	Partition 1 no movement (default 000)
[750]	____/____/____	(000 to 255) x 15 minutes	Partition 2 no movement (default 000)

Section		Data	Description
[761]	____/____:____/___	HH: MM	Auto-arm on time Partition 1 (default 00:00)
[762]	____/____:____/____	HH: MM	Auto-arm on time Partition 2 (default 00:00)

Communication Programming

[800] Dialer Options — **Bold** = Default setting

Option		OFF	ON
		☐ See Table	☐ See Table
[1] & [2]			
[3]	Switch to pulse on 5th attempt	☐ **Disabled**	☐ Enabled
[4]	Alternate dial	☐ **Disabled**	☐ Enabled
[5]	Force dial (must be enabled to comply with TBR-21)	☐ Disabled	☐ **Enabled**
[6]	DTMF dialing	☐ Disabled	☐ **Enabled**
[7]	Pulse ratio	☐1:2	☐ **1:1.5**
[8]	N/A	N/A	N/A

Telephone Line Monitoring (TLM) Options

[1]	[2]	
OFF	**OFF**	Disabled
OFF	ON	When disarmed: Trouble only When armed: Trouble only
ON	OFF	When disarmed: Trouble only When armed: Audible alarm
ON	ON	Silent alarms become Audible alarm

[801] Dialer Options — **Bold** = Default setting

Option		OFF	ON
[1]	Report system disarming	☐ Always	☐ **After alarm**
[2]	Report zone restore	☐ **Bell cutoff**	☐ Zone closure
[3] to **[8]**	N/A	N/A	N/A

[802] Event Call Direction Options 1 — **Bold** = Default setting

Option		OFF	ON
[1]	Call tel. #1 for arm/disarm reporting codes	☐ Disabled	☐ **Enabled**
[2]	Call tel. #2 for arm/disarm reporting codes	☐ Disabled	☐ **Enabled**
[3]	Call pager for arm/disarm reporting codes	☐ **Disabled**	☐ Enabled
[4]	N/A	N/A	N/A
[5]	Call tel. #1 for alarm/restore reporting codes	☐ Disabled	☐ **Enabled**
[6]	Call tel. #2 for alarm/restore reporting codes	☐ Disabled	☐ **Enabled**
[7]	Call pager for alarm/restore reporting codes	☐ Disabled	☐ **Enabled**
[8]	N/A	N/A	N/A

[803] Event Call Direction Options 2 — **Bold** = Default setting

Option		OFF	ON
[1]	Call tel. #1 for tamper/restore reporting codes	☐ Disabled	☐ **Enabled**
[2]	Call tel. #2 for tamper/restore reporting codes	☐ Disabled	☐ **Enabled**
[3]	Call pager for tamper/restore reporting codes	☐ **Disabled**	☐ Enabled
[4]	N/A	N/A	N/A
[5]	Call tel. #1 for trouble/restore reporting codes	☐ Disabled	☐ **Enabled**
[6]	Call tel. #2 for trouble/restore reporting codes	☐ Disabled	☐ **Enabled**
[7]	Call pager for trouble/restore reporting codes	☐ **Disabled**	☐ Enabled
[8]	N/A	N/A	N/A

[804]	Event Call Direction Options 3		**Bold** = Default setting
Option		OFF	ON
[1]	Call tel. #1 for special reporting codes	☐ Disabled	☐ **Enabled**
[2]	Call tel. #2 for special reporting codes	☐ Disabled	☐ **Enabled**
[3]	Call pager for special reporting codes	☐ **Disabled**	☐ Enabled
[4]	N/A	N/A	N/A
[5]	Call personal tel. # on zone alarm (burglary/fire)	☐ Disabled	☐ **Enabled**
[6]	Call personal tel. # on panic alarms	☐ Disabled	☐ **Enabled**
[7]	Call personal tel. # on parademic alarm	☐ Disabled	☐ **Enabled**
[8]	N/A	N/A	N/A

Communication Settings

Section	Data	Description
[810]	___/___	Reporting format
	TEL1 TEL2	0 = Ademco Slow
		1 = Silent Knight Fast
		2 = Sescoa
		3 = Ademco Express
		4 = **Ademco Contact ID** (default)
		5 = SIA
[811]	____/____/____/____	Partition 1 Account number
[812]	____/____/____/____	Partition 2 Account number

[815]	___/
	MONITORING STATION TELEPHONE NUMBER 1
[816]	___/
	MONITORING STATION TELEPHONE NUMBER 2
[817]	___/
	BACK UP TELEPHONE NUMBER
[818]	___/
	PAGER TELEPHONE NUMBER
[819]	___/
	NUMERIC MESSAGE SENT WITH PAGER REPORTING

Special Keys for Telephone Numbers	
Press	**Action or Value**
[OFF]	*
[BYP]	#
[MEM]	switch from pulse to tone dialing or vice versa
[TBL]	4-second pause
[SLEEP]	deletes current digit
[⏻]	inserts blank space

Refer to the **Installer Quick Menu** on page 3 and the **Master Quick Menu** in the User Guide for programming telephone numbers.

To erase a phone number/numeric message, press and hold the **[SLEEP]** key for three seconds in the respective section.

Communication Timers

Section		Data	Description
[830]	____/____/____	(000 to 255) x 2 sec.	TLM fail delay (default 016)
[831]	____/____/____	(000 to 255) max 32	Maximum dialing attempts (default 008)
[832]	____/____/____	(000 to 255) sec. (max 127)	Delay between attempts (default 020)
[833]	____/____/____	(000 to 255) seconds	Delay alarm transmission (default 000)
[834]	____/____/____	(000 to 255) sec. (max 127)	Pager reporting delay (default 020)
[835]	____/____/____	(000 to 255) max 10	Pager reporting message repetition (default 003)
[836]	____/____/____	(000 to 255) sec. (max 127)	Personal reporting delay (default 005)
[837]	____/____/____	(000 to 255) max 10	Personal reporting message repetition (default 003)
[838]	____/____/____	(000 to 255) seconds	Recent closing delay (default 000)
[839]	____/____/____	(000 to 255) minutes	Power failure report delay (default 015)
[840]	____/____/____	(000 to 255) days	Auto test report (default 000)

Section		Data	Description
[850]	____/____:___/____	HH: MM	Auto test report time of day (default 00:00)

Special Arming Report Codes (Default = FF)

Section	Data	Description	Section	Data	Description
[860]	_____/_____	Auto-arming	[861]	_____/_____	Quick arming
	_____/_____	Late to close		_____/_____	Arming via PC
	_____/_____	No movement		_____/_____	N/A
	_____/_____	Partial arming		_____/_____	N/A

Special Disarming Report Codes (Default = FF)

Section	Data	Description
[862]	_____/_____	Cancel auto-arm
	_____/_____	Disarming via PC
	_____/_____	Cancel alarm with user or WinLoad
	_____/_____	Cancel parademic

Special Alarm Report Codes (Default = FF)

Section	Data	Description	Section	Data	Description
[863]	_____/_____	Emergency panic	[864]	_____/_____	Zone shutdown
	_____/_____	Auxiliary panic		_____/_____	Duress
	_____/_____	Fire panic		_____/_____	Keypad lockout
	_____/_____	Recent closing		_____/_____	Paramedic alarm

Refer to *Decimal and Hexadecimal Values* on page 41.

System Trouble Report Codes (Default = FF)

Section			Section		
[865]	____/____	N/A	[868]	____/____	Module power fail
	____/____	AC failure		____/____	Module low/no battery
	____/____	Battery failure		____/____	Wireless zone low battery
	____/____	Auxiliary supply		____/____	Wireless zone supervision lost
[866]	____/____	Bell output overload	[869]	____/____	Wireless module supervision lost
	____/____	Bell output disconnect		____/____	Wireless module tamper
	____/____	Timer loss		____/____	N/A
	____/____	Fire loop trouble		____/____	Wireless module low battery
[867]	____/____	Fail to communicate			
	____/____	RF interference			
	____/____	Module lost			
	____/____	Module tamper			

System Trouble Restore Report Code (Default = FF)

Section	Data	Description	Section	Data	Description
[870]	____/____	TLM	[873]	____/____	Module power fail
	____/____	AC failure		____/____	Module low/no battery
	____/____	Battery failure		____/____	Wireless zone low battery
	____/____	Auxiliary supply		____/____	Wireless zone supervision lost
[871]	____/____	Bell output overload	[874]	____/____	Wireless module supervision lost
	____/____	Bell output disconnect		____/____	Wireless module tamper
	____/____	Timer loss		____/____	N/A
	____/____	Fire loop trouble		____/____	N/A
[872]	____/____	Fail to communicate			
	____/____	RF interference			
	____/____	Module lost			
	____/____	Module tamper			

System Special Report Code (Default = FF)

Section	Data	Description	Section	Data	Description
[875]	____/____	Cold start	[876]	____/____	Installer in
	____/____	Test report		____/____	Installer out
	____/____	N/A		____/____	Closing Delinquency
	____/____	WinLoad out		____/____	N/A

Refer to *Decimal and Hexadecimal Values* on page 41.

WinLoad Programming

WinLoad Options

[900]	WinLoad Options		**Bold** = Default setting
		OFF	**ON**
	[1] Call back	☐ **Disabled**	☐ Enabled
	[2] Automatic event buffer transmission	☐ **Disabled**	☐ Enabled
	[3] to **[8]** N/A	N/A	N/A

WinLoad Timers

Section	Data		Description
[901]	____/____/____	(000 to 255) rings	Number of rings (default 008)
[902]	____/____/____	(000 to 255) seconds	Answering machine override delay (default 030)

[910]	____/____/____/____	Panel identifier
[911]	____/____/____/____	PC password

[915] ___/___/___/___/___/___/___/___/___/___/___/__/___/___/___/___/___/___/___/___/___/___/
PC TELEPHONE NUMBER

Other Settings and Modes

Section	Description
[950]	Reset all programmable sections to factory default values
[955]	Clear bus module trouble (remove disconnected module from the bus)
[960]	Find wireless serial number display
[970]	Download memory key into panel (see the Reference & Installation Manual)
[975]	Upload panel into the memory key (see the Reference & Installation Manual)
[980]	Display version number of the panel

Refer to the **Installer Quick Menu** on page 3 for alternate programming of PC phone number, panel ID, and PC password.

Appendix 1: Ademco Contact ID Report Codes

CID#	Reporting Code	Programming Value
Medical Alarms - 100		
100	Medical alarm	**01**
101	Pendant transmitter	**02**
102	Fail to report in	**03**
Fire Alarms - 110		
110	Fire alarm	**04**
111	Smoke	**05**
112	Combustion	**06**
113	Water flow	**07**
114	Heat	**08**
115	Pull station	**09**
116	Duct	**0A**
117	Flame	**0B**
118	Near alarm	**0C**
Panic Alarms - 120		
120	Panic Alarm	**0D**
121	Duress	**0E**
122	Silent	**0F**
123	Audible	**10**
124	Duress - Access grated	**11**
125	Duress - Egress granted	**12**
Burglar Alarms - 130		
130	Burglary	**13**
131	Perimeter	**14**
132	Interior	**15**
133	24-hour	**16**
134	Entry/Exit	**17**
135	Day/Night	**18**
136	Outdoor	**19**
137	Tamper	**1A**
138	Near alarm	**1B**
139	Intrusion verified	**1C**
General Alarms - 140		
140	General alarm	**1D**
141	Polling loop open	**1E**
142	Polling loop short	**1F**
143	Expansion module failure	**20**
144	Sensor tamper	**21**
145	Expansion module tamper	**22**
146	Silent burglary	**23**
147	Sensor supervision failure	**24**
24-hour Non-burglary - 150 and 160		
150	24-hour non-burglary	**25**
151	Gas detected	**26**
152	Refrigeration	**27**
153	Loss of heat	**28**
154	Water leakage	**29**
155	Foil break	**2A**
156	Day trouble	**2B**
157	Low bottled gas level	**2C**
158	High temperature	**2D**
159	Low temperature	**2E**
161	Loss of air flow	**2F**
162	Carbon monoxide detected	**30**
163	Tank level	**31**
Fire Supervisory - 200 and 210		
200	Fire supervisory	**32**
201	Low water pressure	**33**
202	Low CO_2	**34**
203	Gate valve sensor	**35**
204	Low water level	**36**
205	Pump activated	**37**
206	Pump failure	**38**
System Troubles - 300 and 310		
300	System trouble	**39**
301	AC loss	**3A**
302	Low system battery	**3B**
303	RAM checksum bad	**3C**
304	ROM checksum	**3D**
305	System reset	**3E**
306	Panel program changed	**3F**
307	Self-test failure	**40**
308	System shutdown	**41**
309	Battery test failure	**42**
310	Ground fault	**43**
311	Battery missing/dead	**44**
312	Power supply over current limit	**45**
313	Engineer reset	**46**
Sounder/Relay Troubles - 320		
320	Sounder/relay	**47**
321	Bell 1	**48**
322	Bell 2	**49**
323	Alarm relay	**4A**
324	Trouble relay	**4B**
325	Reversing relay	**4C**
326	Notification appliance chk. #3	**4D**
327	Notification appliance chk. #4	**4E**
System Peripheral Troubles - 330 and 340		
330	System peripheral	**4F**
331	Polling loop open	**50**
332	Polling loop short	**51**
333	Expansion module failure	**52**
334	Repeater failure	**53**
335	Local printer paper out	**54**
336	Local printer failure	**55**
337	Exp. module DC loss	**56**
338	Exp. module low battery	**57**
339	Exp. module reset	**58**
341	Exp. module tamper	**59**
342	Exp. module AC loss	**5A**
343	Exp. module self-test fail	**5B**
344	RF receiver jam detect	**5C**
Communication Troubles - 350 and 360		
350	Communication	**5D**
351	Telco 1 fault	**5E**
352	Telco 2 fault	**5F**
353	Long range radio	**60**
354	Fail to communicate	**61**
355	Loss of radio supervision	**62**
356	Loss of central polling	**63**
357	Long range radio VSWR prob.	**64**
Protection Loop Troubles - 370		
370	Protection loop	**65**
371	Protection loop open	**66**
372	Protection loop short	**67**
373	Fire trouble	**68**
374	Exit error alarm	**69**
375	Panic zone trouble	**6A**
376	Hold-up zone trouble	**6B**
377	Swinger trouble	**6C**
378	Cross-zone trouble	**6D**
Sensor Troubles - 380 and 390		
380	Sensor trouble	**6E**
381	Loss of supervision - RF	**6F**
382	Loss of supervision - RPM	**70**
383	Sensor tamper	**71**
384	RF transmitter low battery	**72**
385	Smoke detector Hi sensitivity	**73**
386	Smoke detector Low sensitivity	**74**

CID#	Reporting Code	Programming Value
387	Intrusion detector Hi sensitivity	**75**
388	Intrusion detector Low sensitivity	**76**
389	Sensor self-test failure	**77**
391	Sensor watch trouble	**78**
392	Drift compensation error	**79**
393	Maintenance alert	**7A**
Open/Close - 400		
400	Open/Close	**7B**
401	Open/Close by user	**7C**
402	Group open/close	**7D**
403	Automatic open/close	**7E**
406	Cancel	**7F**
407	Remote arm/disarm	**80**
408	Quick arm	**81**
409	Keyswitch open/close	**82**
Remote Access - 410		
411	Call back request made	**83**
412	Success - download access	**84**
413	Unsuccessful access	**85**
414	System shutdown	**86**
415	Dialer shutdown	**87**
416	Successful upload	**88**
Access Control - 420 and 430		
421	Access denied	**89**
422	Access report by user	**8A**
423	Forced access	**8B**
424	Egress denied	**8C**
425	Egress granted	**8D**
426	Access door propped open	**8E**
427	Access point door status monitor trouble	**8F**
428	Access point request to exit	**90**
429	Access program mode entry	**91**
430	Access program mode exit	**92**
431	Access threat level change	**93**
432	Access relay/trigger fail	**94**
433	Access RTE shunt	**95**
434	Access DSM shunt	**96**
Arming - 440 and 450		
441	Armed Stay	**97**
442	Keyswitch armed Stay	**98**
450	Exception open/close	**99**

CID#	Reporting Code	Programming Value
451	Early open/close	**9A**
452	Late open/close	**9B**
453	Failed to open	**9C**
454	Failed to close	**9D**
455	Auto-arm failed	**9E**
456	Partial arm	**9F**
457	Exit error (user)	**A0**
458	User on premises	**A1**
459	Recent close	**A2**
System - 460		
461	Wrong code entry	**A3**
462	Legal code entry	**A4**
463	Re-arm after alarm	**A5**
464	Auto-arm time extended	**A6**
465	Panic alarm reset	**A7**
466	Service ON/OFF premises	**A8**
Sounder Relay Disabled - 520		
520	Sounder/Relay disabled	**A9**
521	Bell 1 disabled	**AA**
522	Bell 2 disabled	**AB**
523	Alarm relay disabled	**AC**
524	Trouble relay disabled	**AD**
525	Reversing relay disabled	**AE**
526	Notification appliance chk. #3 disabled	**AF**
527	Notification appliance chk. #4 disabled	**B0**
Modules - 530		
531	Module added	**B1**
532	Module removed	**B2**
Communication Disables - 550 and 560		
551	Dialer disabled	**B3**
552	Radio transmitter disabled	**B4**
Bypasses - 570		
570	Zone bypass	**B5**
571	Fire bypass	**B6**
572	24Hr. zone bypass	**B7**
573	Burglary bypass	**B8**
574	Group bypass	**B9**
575	Swinger bypass	**BA**
576	Access zone shunt	**BB**
577	Access point bypass	**BC**
Test/Misc. - 600		
601	Manual trigger test	**BD**
602	Periodic test report	**BE**

CID#	Reporting Code	Program-ming Value
603	Periodic RF transmission	**BF**
604	Fire test	**C0**
605	Status report to follow	**C1**
606	Listen-in to follow	**C2**
607	Walk test mode	**C3**
608	Periodic test - system trouble present	**C4**
609	Video transmitter active	**C5**
611	Point test OK	**C6**
612	Point not tested	**C7**
613	Intrusion zone walk tested	**C8**
614	Fire zone walk tested	**C9**
615	Panic zone walk tested	**CA**
616	Service request	**CB**
621	Event log reset	**CC**
622	Event log 50% full	**CD**
623	Event log 90% full	**CE**
624	Event log overflow	**CF**
625	Time/Date reset	**D0**
626	Time/Date inaccurate	**D1**
627	Program mode entry	**D2**
628	Program mode exit	**D3**
629	32-hour event log marker	**D4**
630	Schedule change	**D5**
631	Exception schedule change	**D6**
632	Access schedule change	**D7**
654	System inactivity	**D8**

Appendix 2: Automatic Report Code List

System Event	Default Contact ID Report Code	Default SIA Report Code
Arming with User Code (##)	3 4A1 - Close by user	CL - Closing report
Auto arming	3 4A3 - Automatic close	CA - Automatic closing
Late to close	3 452 - Late to close	OT - Late to close
No movement	3 452 - Late to close	NA - No activity
Partial arming	1 456 - Group bypass	CG - Close area
Quick arming	3 4A8 - Quick arm	CL - Closing report
Arm with PC software	3 4A7 - Remote arm/disarm	CQ - Remote arming
Disarm with User Code (##)	1 4A1 - Open by user	OP - Opening report
Disarm after alarm* with User Code (##)	1 4A1 - Open by user	OP - Opening report
Cancel alarm** with User Code (##)	1 4A6 - Cancel by user	OR - Disarm from alarm
Auto-arming cancellation	1 464 - Deferred open/close	CE - Closing extend
Disarm with PC software	1 4A7 - Remote arm/disarm	OQ - Remote disarming
Disarm after an alarm with PC software	1 4A7 - Remote arm/disarm	OR - Disarm from alarm
Cancel alarm with PC software	1 4A6 - Cancel by user	OR - Disarm from alarm
Cancel paramedic alarm	1 4A6 - Cancel by user	MH - Medical alarm restore
Zone bypassed (##)	1 57A - Zone bypass	UB - Untyped zone bypass
Zone alarm (##)	1 13A - Burglary alarm	BA - Burglary alarm
Fire alarm (##)	1 11A - Fire alarm	FA - Fire alarm
Zone alarm restore (##)	3 13A - Burglary alarm restore	BH - Burglary alarm restore
Fire alarm restore (##)	3 11A - Fire alarm restore	FH - Fire alarm restore
Panic 1 - emergency	1 12A - Panic alarm	PA - Panic alarm
Panic 2 - medical	1 1AA - Medical alarm	MA - Medical alarm
Panic 3 - fire	1 115 - Pull station	FA - Fire alarm
Recent closing	3 459 - Open/Close	CR - Recent closing
Global zone shutdown	1 575 - Group bypass	CG - Close area
Duress alarm	1 121 - Duress	HA - Hold-up alarm
Keypad lockout	1 421 - Access denied	JA - User code tamper
Zone shutdown (##)	1 57A - Zone bypass	UB - Untyped zone bypass
Zone tampered (##)	1 144 - Sensor tamper	TA - Tamper alarm
Zone tamper restore (##)	3 144 - Sensor tamper restore	TR - Tamper restoral
AC failure	1 3A1 - AC loss	AT - AC trouble
Battery failure	1 3A9 - Battery test failure	YT - System battery trouble
Auxiliary supply trouble	1 3AA - System trouble	YP - Power supply trouble
Bell output current limit	1 321 - Bell 1	YA - Bell fault
Bell absent	1 321 - Bell 1	YA - Bell fault
Clock lost	1 626 - Time/date inaccurate	JT - Time changed
Fire loop trouble	1 373 - Fire trouble	FT - Fire trouble
Communication fail	1 354 - Communication fail	YC -Fail to communicate
RF interference	1 344 - RF receiver jam detection	XQ - RF Interference
TLM trouble restore	3 351 - Telco 1 fault restore	LR - Phone line restoral
AC failure restore	3 3A1 - AC loss restore	AR - AC restoral
Battery failure restore	3 3A9 - Battery test restore	YR - System battery restoral

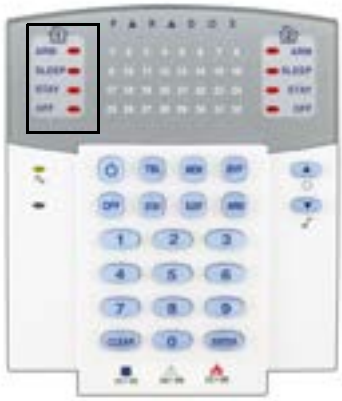
* An armed system is or was in alarm and was disarmed by a user.

** A disarmed system is or was in alarm (e.g. 24Hr. zone) and was disarmed by a user.

System Event	Default Contact ID Report Code	Default SIA Report Code
Auxiliary supply trouble restore	3 3AA - System trouble restore	YQ - Power supply restored
Bell output current limit restore	3 321 - Bell 1 restore	YH - Bell restored
Bell absent restore	3 321 - Bell 1 restore	YH - Bell restored
Clock programmed	3 625 - Time/date reset	JT - Time changed
Fire loop trouble restore	3 373 - Fire trouble restore	FJ - Fire trouble restore
Fail to communicate with monitoring station	3 354 - Fail to communicate	YK - Communication fails
RF interference	3 344 - RF receiver jam detection	XH - RF Interference Restoral
Combus fault	1 333 - Expansion module failure	ET - Expansion trouble
Module tamper	1 341 - Expansion module tamper	TA - Tamper alarm
Bus fault restore	3 333 - Expansion module failure restore	ER - Expansion restoral
Module tamper restore	3 341 - Expansion module tamper restore	TR - Tamper restoral
Cold start	1 3A8 - System shutdown	RR - Power up
Test report engaged	1 6A2 - Periodic test report	TX - Test report
PC software communication finished	1 412 - Successful - download access	RS - Remote program success
Installer on site	1 627 - Program mode entry	LB - Local program
Installer programming finished	1 628 - Program mode exit	LS - Local program success
Maintenance in	1 627 - Program mode entry	LB - Local program
Maintenance out	1 628 - Program mode exit	LS - Local program success
Closing delinquency	1 654 - System inactivity	CD - System inactivity
Module AC fail	1 342 - AC failure on module	AT - Module AC fail
Module AC fail restore	3 342 - AC restored on module	AR - Module AC fail restore
Module battery fail	1 338 - Battery failure on module	YT - Module battery fail
Module battery fail restore	3 338 - Battery failure on module	YR - Module battery fail restore
RF Module low battery	1 384 - RF transmitter low battery	XT - Transmitter battery trouble
RF Module battery restore	3 384 - RF transmitter battery restore	XR - Transmitter battery restoral
RF Module supervision trouble	1 381 - Loss of supervision - RF	US - Untype zone supervision
RF Module supervision restore	3 381 - Supervision restore - RF	UR - Untyped zone restoral
RF Module supervision lost	1 381 - Loss of supervision- RF	US - Untyped Zone Supervisory
RF Module supervision restore	3 381 - Loss of supervision- RF restore	UR - Untyped Zone Restoral
RF Module tamper	1 145 - Expansion module tamper	ES - Expansion Device Tamper
RF Module tamper restore	3 145 - Expansion module tamper restore	EJ - Expansion Device Restore
Paramedic alarm	1 1AA - Medical	MA - Medical Alarm
Zone forced	1 57A - Zone forced	XW - Zone forced
Zone included	3 57A - Zone included	UU - Zone included

Appendix 3: Data Entry & Display

To access the Data Display Mode, press the **[ENTER]** key after entering a section and before entering any data. The four LEDs as indicated below will begin to flash indicating that you are in the Data Display Mode.



Each time the **[ENTER]** key is pressed, the keypad will display the next digit in the current section and will continue through all the following sections one digit at a time without changing the programmed values. Not available for sections using the Multiple Feature Select Method. Press the **[CLEAR]** key at any time to exit the Data Display Mode.

There are two methods that can be used to enter data when in programming mode: Single Digit Data Entry and Feature Select Programming methods.

Single Digit Data Entry Method

After entering programming mode, some sections will require that you enter decimal values from 000 to 255. Other sections will require that you enter hexadecimal values from 0 to F. The required data will be clearly indicated in this manual. When entering the final digit in a section, the panel will automatically save and advance to the next section. Refer to *Decimal and Hexadecimal Values* on page 41 to see the keys and their equivalent decimal and/or hexadecimal value.

Feature Select Programming Method

After entering certain sections, eight options will be displayed where each option from **[1]** to **[8]** represents a specific feature. Press the key corresponding to the desired option. This means the option is ON. Press the key again to remove the digit, thereby, turning OFF the option. Press the **[CLEAR]** key to set all eight options to OFF. When the options are set, press the **[ENTER]** key to save and advance to the next section.

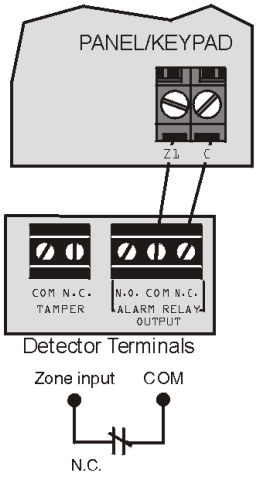
Decimal and Hexadecimal Values

Value or Action	What Do I Press?	What Do I See?	
		32-zone LED	10-zone LED
Value 0 / Replace Current Digit with 0	**[SLEEP]**	Erase digit and remain in section	Erase digit and remain in section
Values 1 to 9	**[1] to [9]**	Zone 1 to 9	Keys 1 to 9
A (hex only)	**[0]**	Zone 10	Key 0(10)
B (hex only)	**[OFF]**	Zone 11	OFF
C (hex only)	**[BYP]**	Zone 12	BYP
D (hex only)	**[MEM]**	Zone 13	MEM
E (hex only)	**[TBL]**	Zone 14	TBL
F (hex only)	**[⏻]**	Zone 15	**[⏻]**
Exit Without Saving	**[CLEAR]**	ARM & STAY LED flash	ARM & STAY LED flash
Save Data (hex only)	**[ENTER]**	Advances to the next section	Advances to the next section

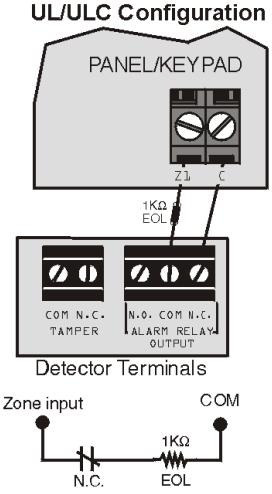
Hardware Connections

Single Zone Inputs

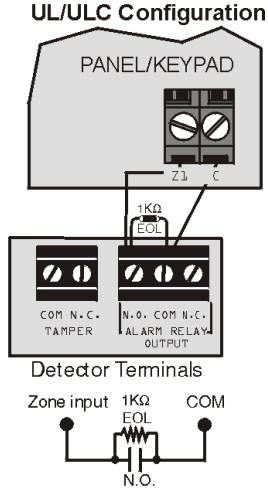
N.C. Contacts, No EOL



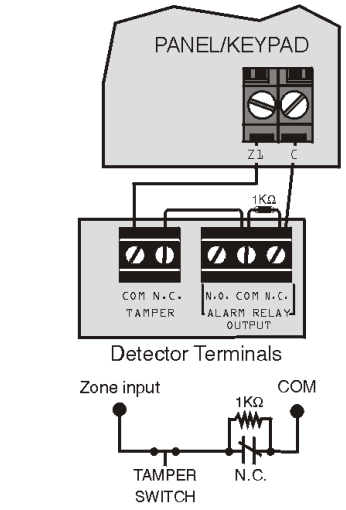
N.C., With EOL
UL/ULC Configuration



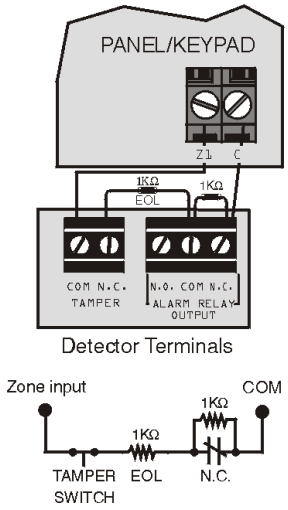
N.O., With EOL
UL/ULC Configuration



N.C. Contacts, No EOL,
With Tamper Recognition

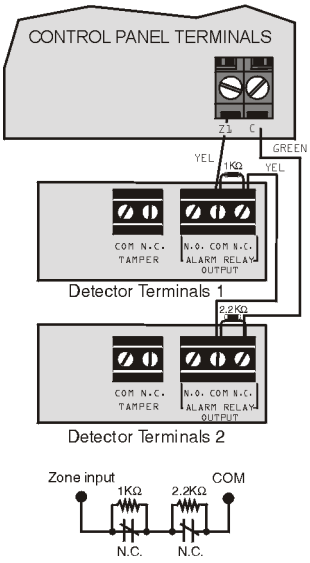


N.C., With EOL, With Tamper &
Wire Fault Recognition (UL/ULC)

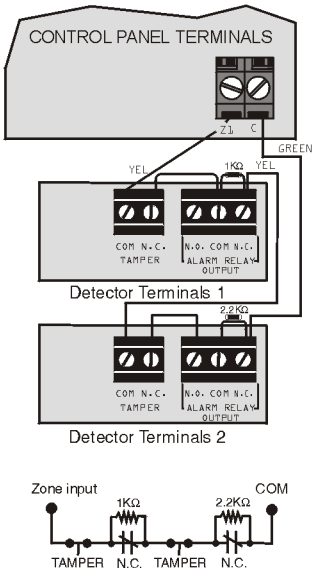


Advanced Technology Zone (ATZ) Connections

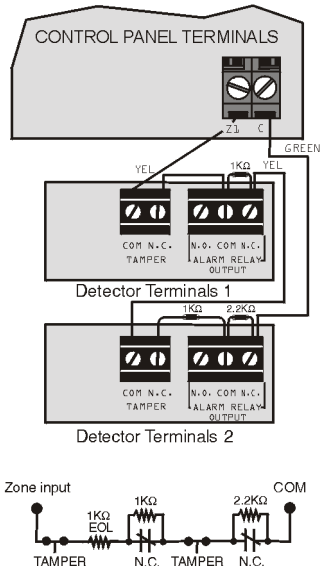
N.C. Contacts, No EOL



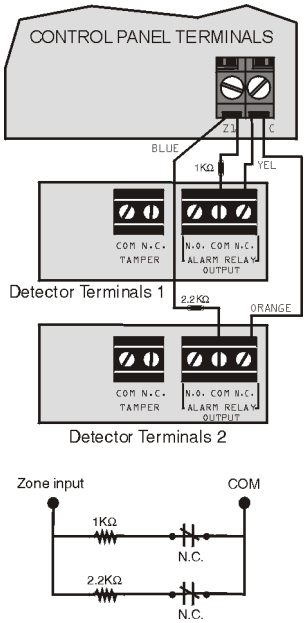
N.C. Contacts, No EOL, with Tamper Recognition



N.C. Contacts, with EOL, with Tamper and Wire Fault Recognition (UL/cUL)



Parallel Wiring

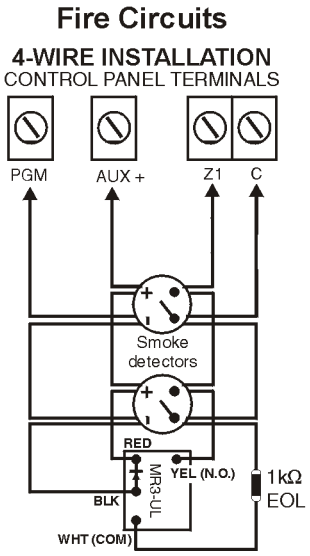


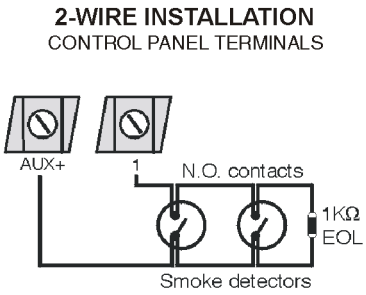
Connecting Fire Circuits and PGMs

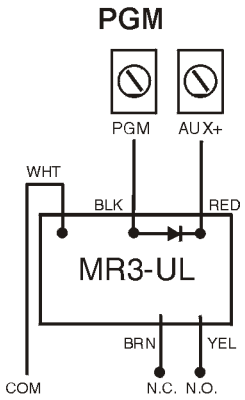
For 4-wire installation: Program the Activation Event so that the smoke detectors can be reset by pressing the **[CLEAR] + [ENTER]** keys for three seconds. See Event Group # 6 on page 15. For 2-wire installation: Press **[CLEAR] + [ENTER]** to automatically reset smoke.

All 4-wire smoke detectors must be connected using the daisy chain configuration.

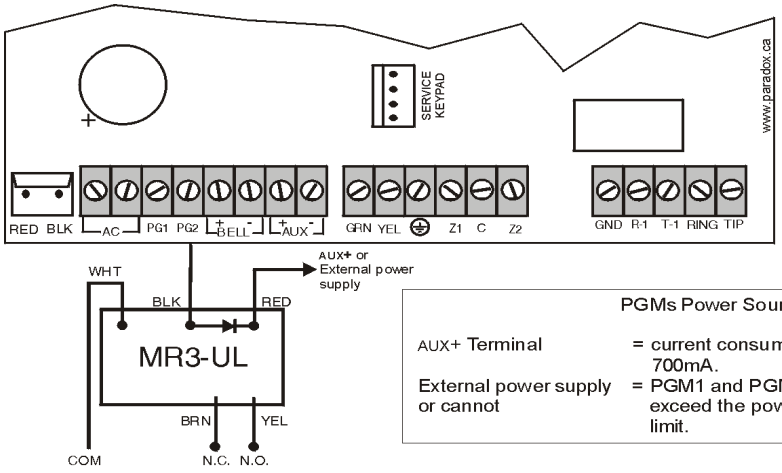
Each control panel supports a maximum of five 2-wire smoke detectors.







Alarm Relay and PGM Connections



PGMs Power Source

AUX+ Terminal	= current consumption must not exceed 700mA.
External power supply or cannot	= PGM1 and PGM2 cannot exceed 150mA exceed the power supply's current limit.

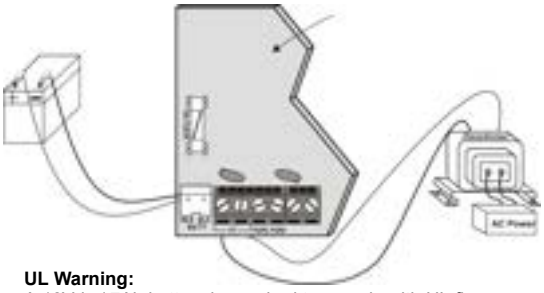
AC Power & Backup Battery Connections

Transformer Requirements Table

Transformer:	16VAC **20VA*** (Amseco XP-1620) 16.5VAC **40VA** (Universal UB1640W) *not verified by UL
DC Power Supply rated at:	MG5000/MG5050 = 1.0A SP5500/SP6000/SP7000 = 1.4A
Auxiliary Supply can provide a maximum of:	typ: 600mA max: 700mA UL installations: typ. 200mA
Acceptable Battery Charge Currents (section [127] option [5])	350mA/700mA

Rechargeable Battery
UL/ULC - 12Vdc / 4Ah or 7Ah

Partial view of control panel



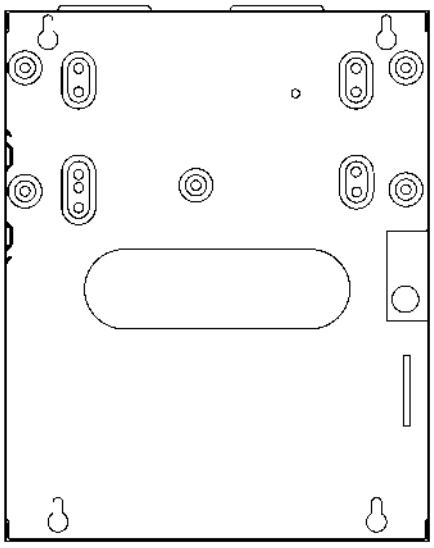
Improper connection of the transformer may result in damage to the system.

UL Warning:
A 12Vdc / 7Ah battery is required to comply with UL fire requirements.

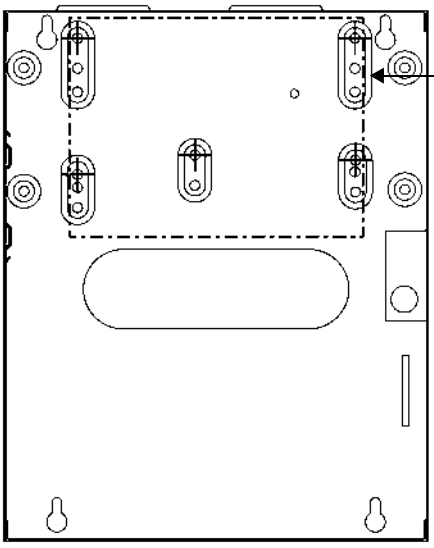
Caution:
Disconnect battery before replacing the fuse.

MG5000 8x10” Metal Box Installation

= PCB Position



Old Metal Box



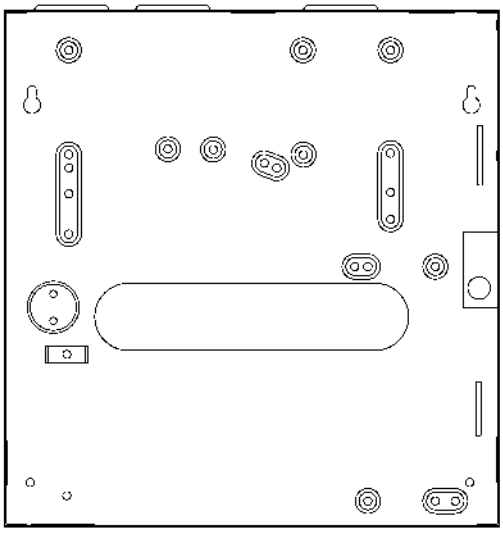
MG5000 Compatible Metal Box

For UL recommended installation, place the PCB one notch lower than the new mounting location. This applies to both types of metal boxes.

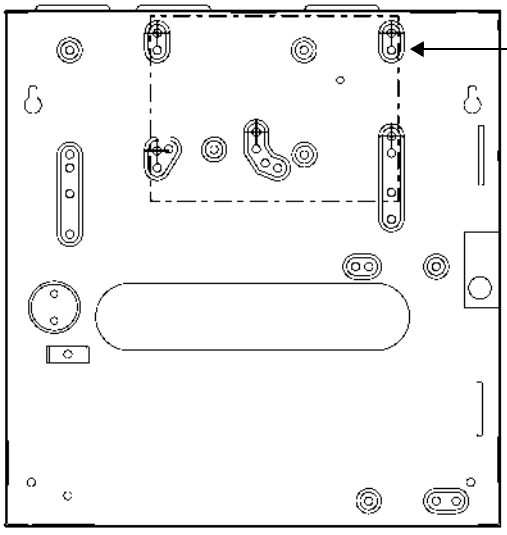
If you need specific dimensions, contact Paradox Distributor Support.

MG5000 11x11” Metal Box Installation

= PCB Position



Old Metal Box



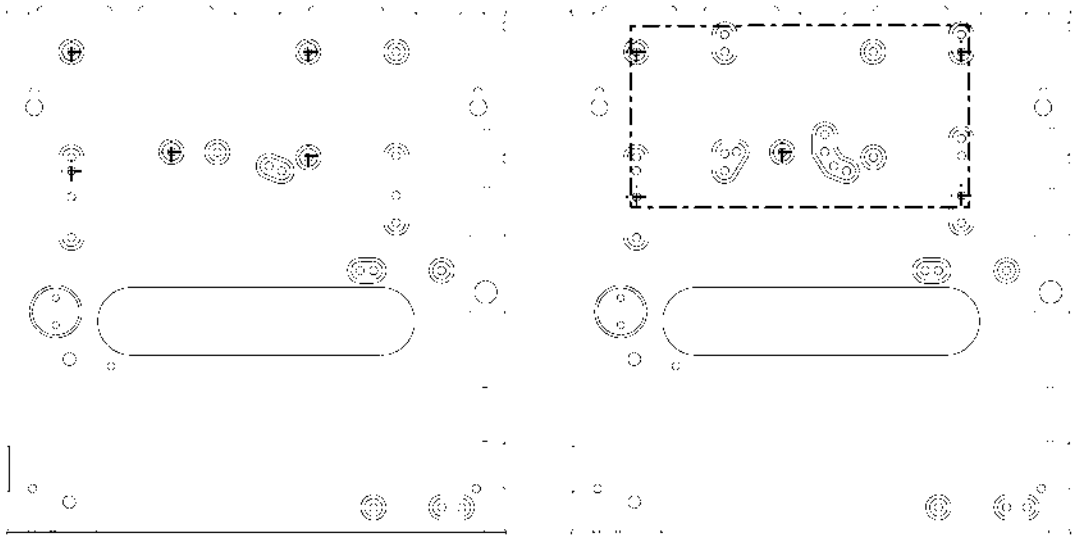
MG5000 Compatible Metal Box

For UL recommended installation, place the PCB one notch lower than the new mounting location. This applies to both types of metal boxes.

If you need specific dimensions, contact Paradox Distributor Support.

MG5050 11x11” Metal Box Installation

= PCB Position



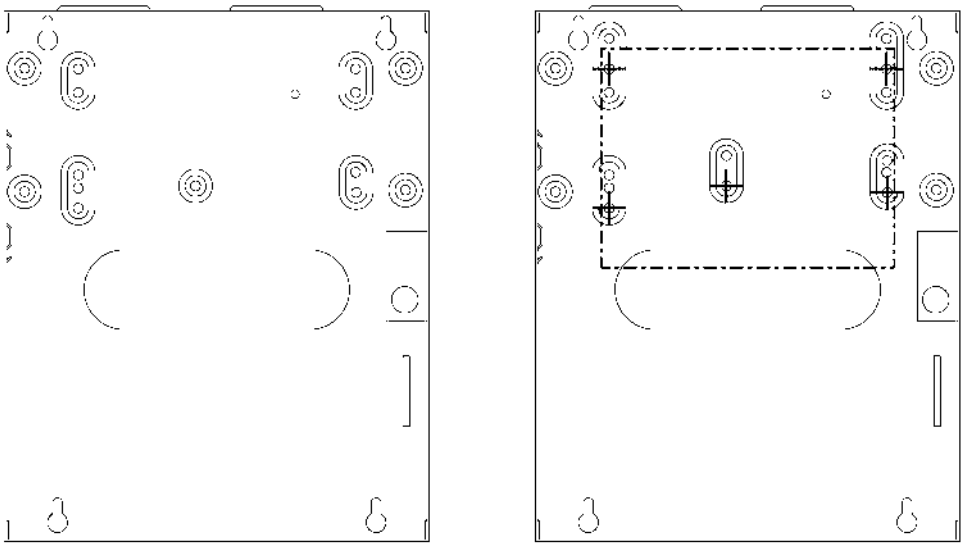
Old Metal Box

MG5050 Compatible Metal Box

If you need specific dimensions, contact Paradox Distributor Support.

SP5500 8x11” Metal Box Installation

= PCB Position



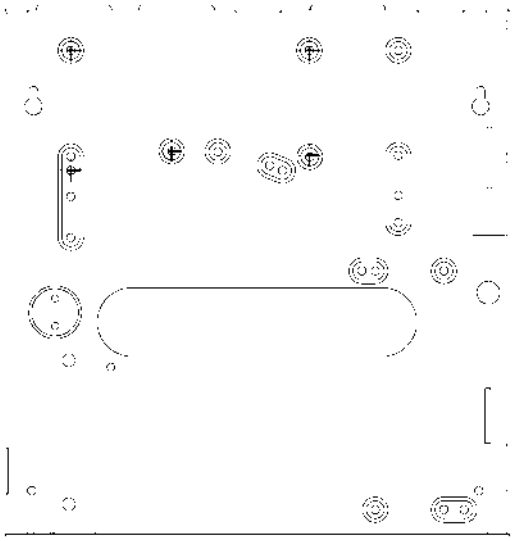
Old Metal Box

SP5500 Compatible Metal Box

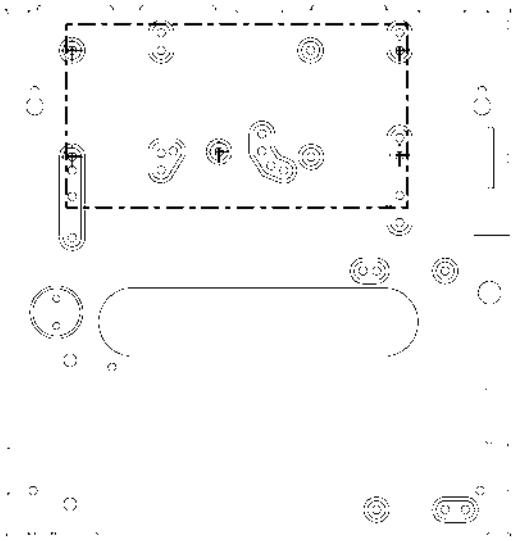
If you need specific dimensions, contact Paradox Distributor Support.

SP6000 11x11” Metal Box Installation

= PCB Position



Old Metal Box

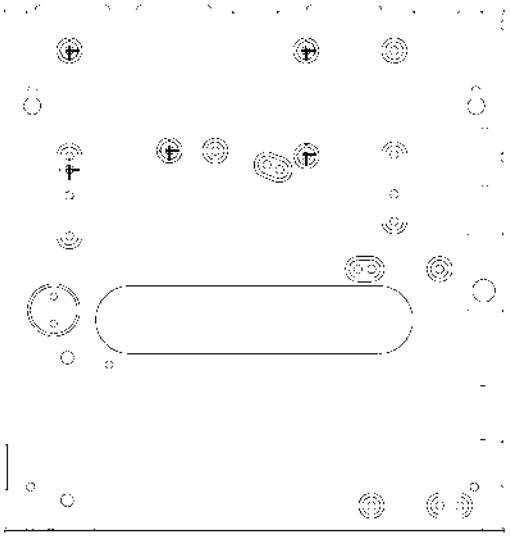


SP6000 Compatible Metal Box

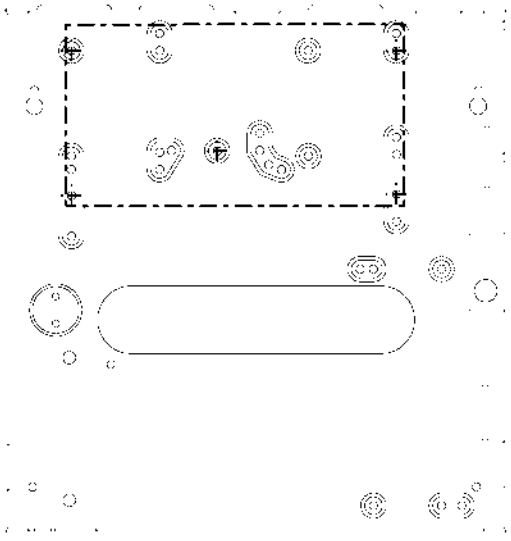
If you need specific dimensions, contact Paradox Distributor Support.

SP7000 11x11” Metal Box Installation

= PCB Position



Old Metal Box



SP7000 Compatible Metal Box

If you need specific dimensions, contact Paradox Distributor Support.

Trouble Display

- Press the **[TBL]** key to view the Trouble Display. Please note that the keypad can be programmed to emit a beep every 5 seconds whenever a new trouble condition has occurred. Press the **[TBL]** key to stop the beeping.
- To view the sub-menu, press the corresponding key in the main menu.

Main Menu Trouble	Sub-Menu Trouble Menu
[1] Wireless zone low battery	**[1]** to **[32]** Zones in low battery
[2] Power trouble	**[1]** Low/No battery on the control panel **[2]** AC failure on control panel **[3]** Auxiliary overload on control panel **[4]** Wireless keypad AC failure **[5]** Wireless keypad battery failure **[6]** Wireless repeater AC failure **[7]** Wireless repeater battery failure
[3] Bell trouble	**[1]** Bell disconnect on control panel **[2]** Bell overload on control panel
[4] Communication trouble	**[1]** Telephone Line Monitoring on control panel **[2]** Fail to communicate on Monitoring Telephone 1 on control panel **[3]** Fail to communicate on Monitoring Telephone 2 on control panel **[4]** Fail to communicate on pager telephone on control panel **[5]** Fail to communicate on voice telephone on control panel **[6]** Fail to communicate with PC on control panel
[5] Tamper and zone wiring failure	**[1]** to **[32]** Zones in tamper and zone wiring failure
[6] Module tamper trouble	**[1]** MG-2WPGM **[2]** Keypad bus **[3]** ZX8 bus module **[4]** RTX3 bus module **[5]** Wireless keypad
[7] Fire loop trouble	**[1]** to **[32]** Zones in fire loop trouble
[8] Timer loss	
[9] Wireless zone supervision loss	**[1]** to **[32]** Zones in supervision lost **[STAY]** RF interference trouble
[0 (10)] or [10] Module supervision loss	**[1]** MG-2WPGM **[2]** Keypad bus (Panel reset will not clear this trouble, clear it in section **[955]**) **[3]** ZX8 bus module **[4]** RTX3 bus module **[5]** Wireless keypad supervision failure **[6]** Wireless repeater supervision failure
[16] Keypad fault (MG32LED/MG32LRF only)	
[SLEEP] Keypad fault (MG10LEDV/H only)	

Installer Function Keys

To access the Installer Function keys, press:

[ENTER]+[INSTALLER CODE] + [MEM] = *Test Report:* Send the "Test Report" report code programmed in section **[840]** (page 34) to the monitoring station.

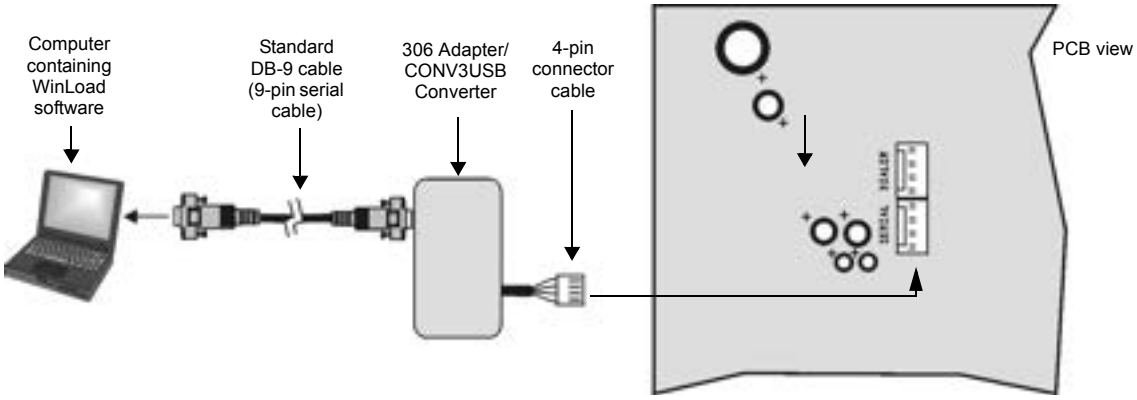
[ENTER]+[INSTALLER CODE] + [STAY] = *Cancel Communication:* Cancels all communication with the WinLoad software or with the monitoring station until the next reportable event.

[ENTER]+[INSTALLER CODE] + [SLEEP] = *Answer WinLoad Software:* Will force the console to answer an incoming call from the monitoring station that is using the WinLoad software.

[ENTER]+[INSTALLER CODE] + [BYP] = *Call WinLoad Software:* Will dial the PC telephone number programmed in section **[915]** (page 36) in order to initiate communication with a computer using the WinLoad software.

[ENTER]+[INSTALLER CODE] + [TBL] = *Installer Test Mode:* The installer test mode will allow you to perform walk tests where the siren will squawk to indicate opened zones. Press the **[TBL]** key again to exit.

Connecting to WinLoad

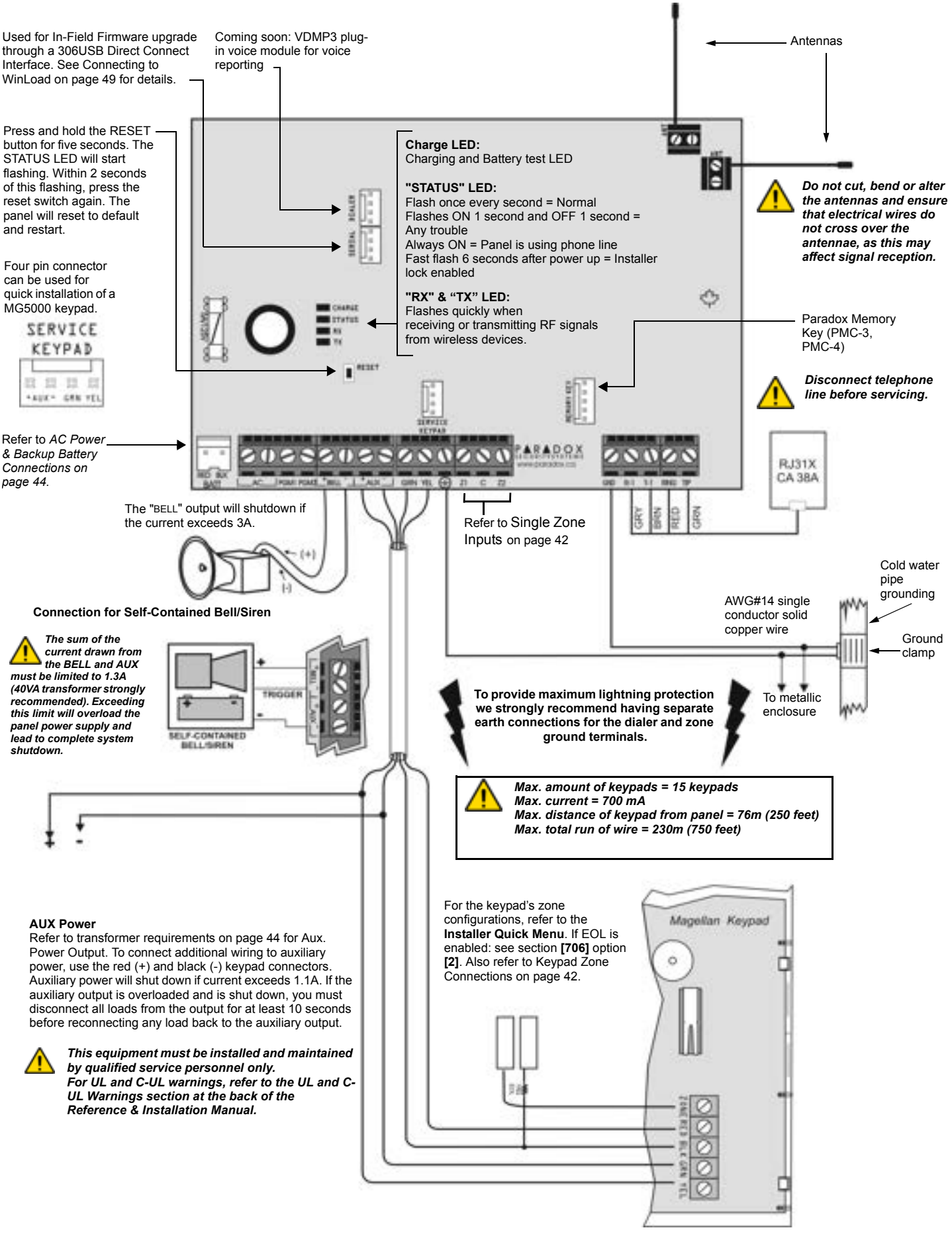


Updating Firmware Using WinLoad

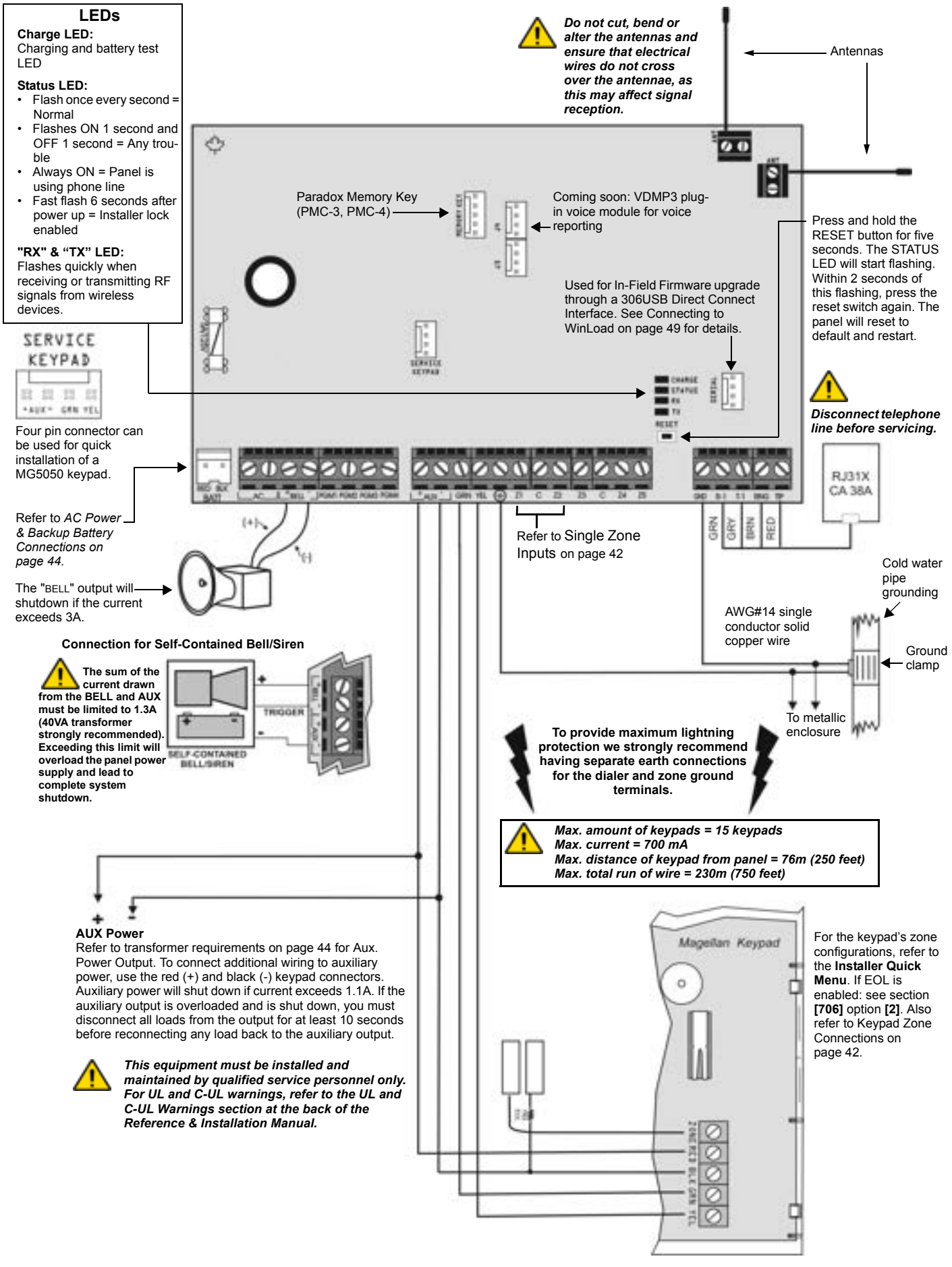
To update your system firmware:

1. Connect the product to your computer using a 306USB Direct Connect Interface or CONV3USB Converter.
2. Start WinLoad Installer Upload/Download Software.
3. Click the **In-field Programmer button**. 
4. Verify the product information located in the In-Field Firmware Programmer window.
   If the firmware programmer does not automatically detect your control panel, click the **Com port settings** button and select the correct Com port. Then click the **Refresh Product Info** button to connect with the panel.
5. To check for new updates, click the **Download Firmware from the web** button.
6. From the Select Firmware drop-down box, select the firmware version you wish to install.
   or
   If you have already downloaded the .pef file from paradox.com, click the **[...]** button and select the location of the .pef file.
7. Click the **Update product firmware** button.
   When the download process finishes, the update is complete.

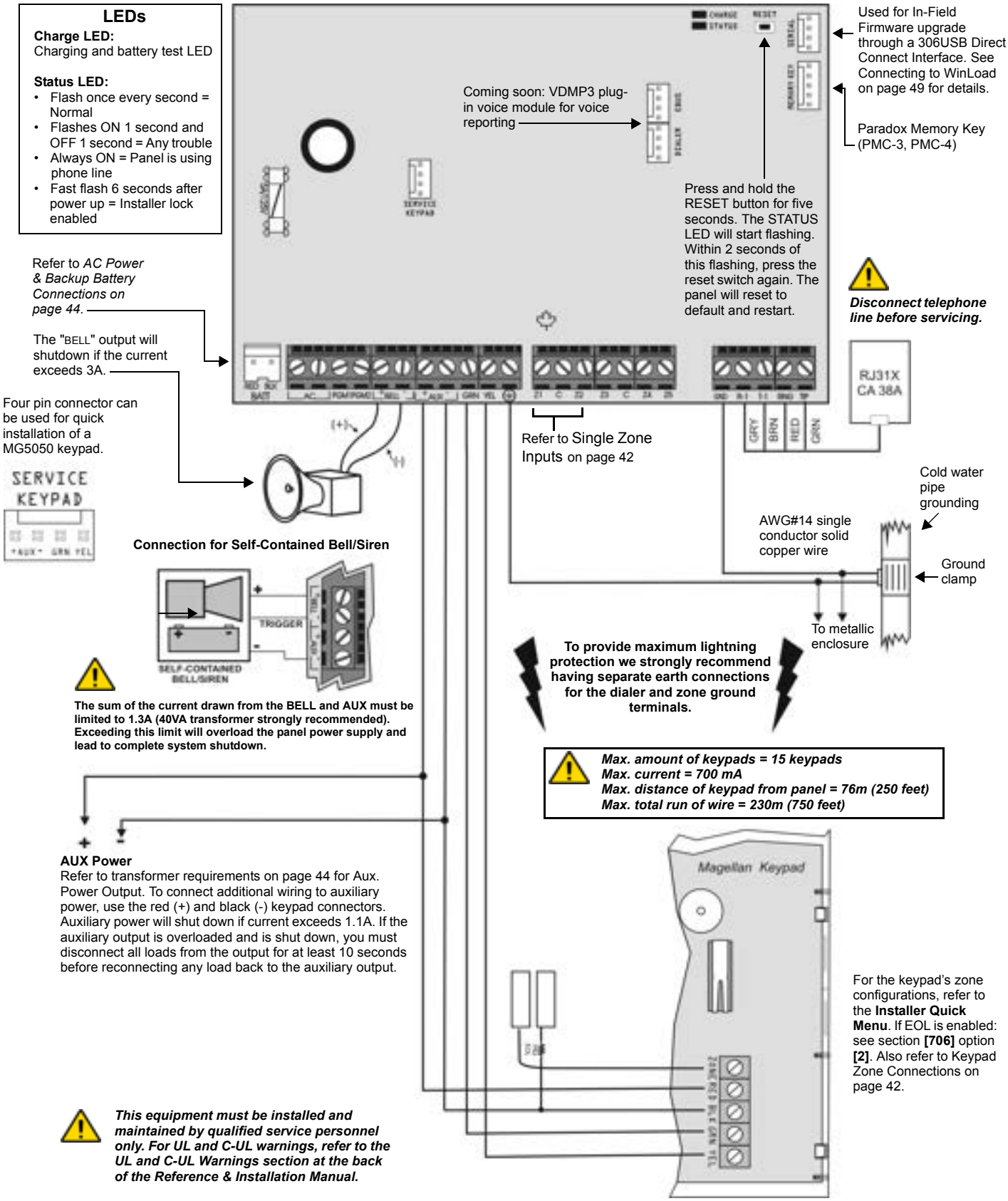
MG5000 PCB Layout



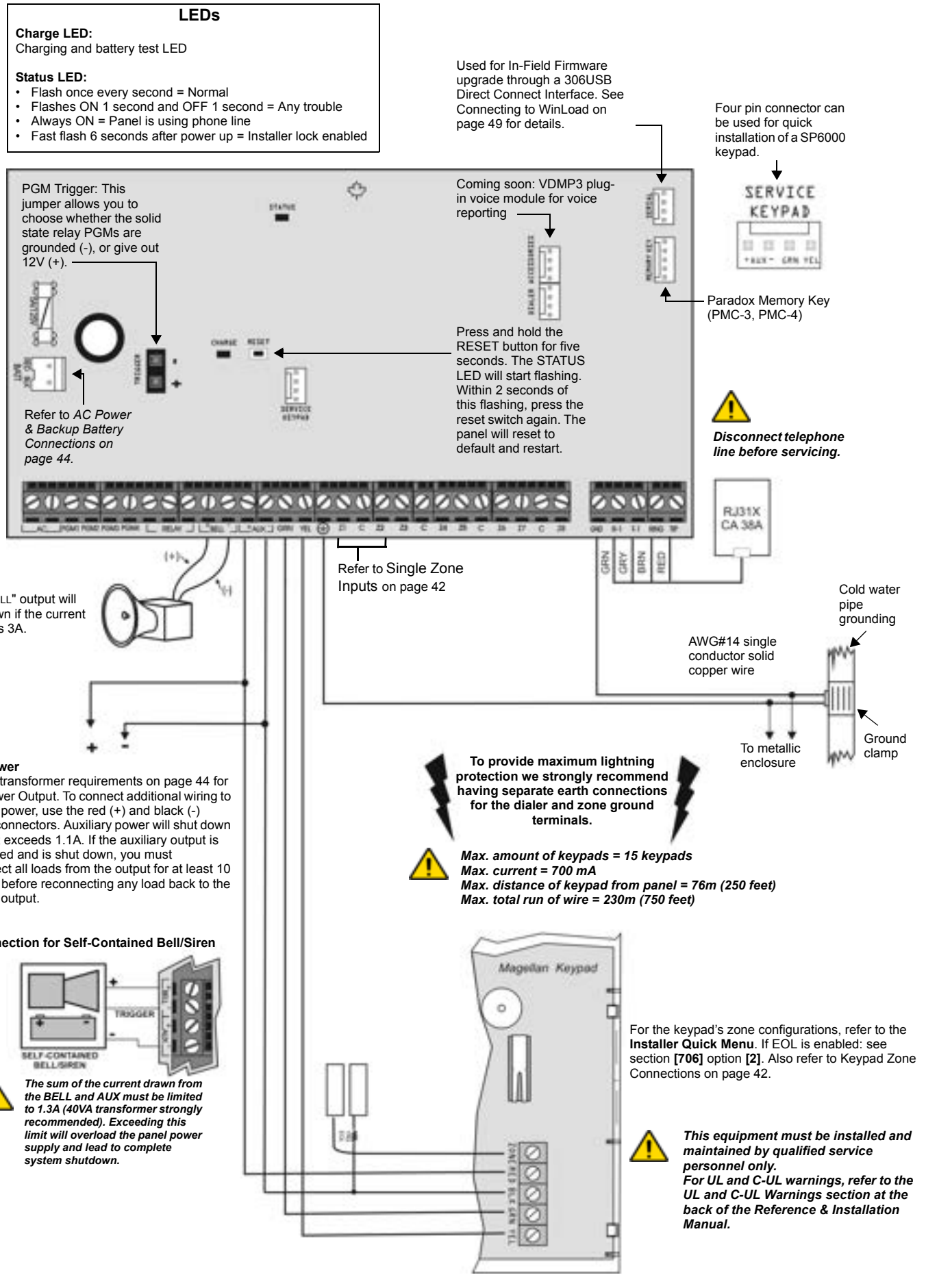
MG5050 PCB Layout



SP5500 PCB Layout



SP6000 PCB Layout

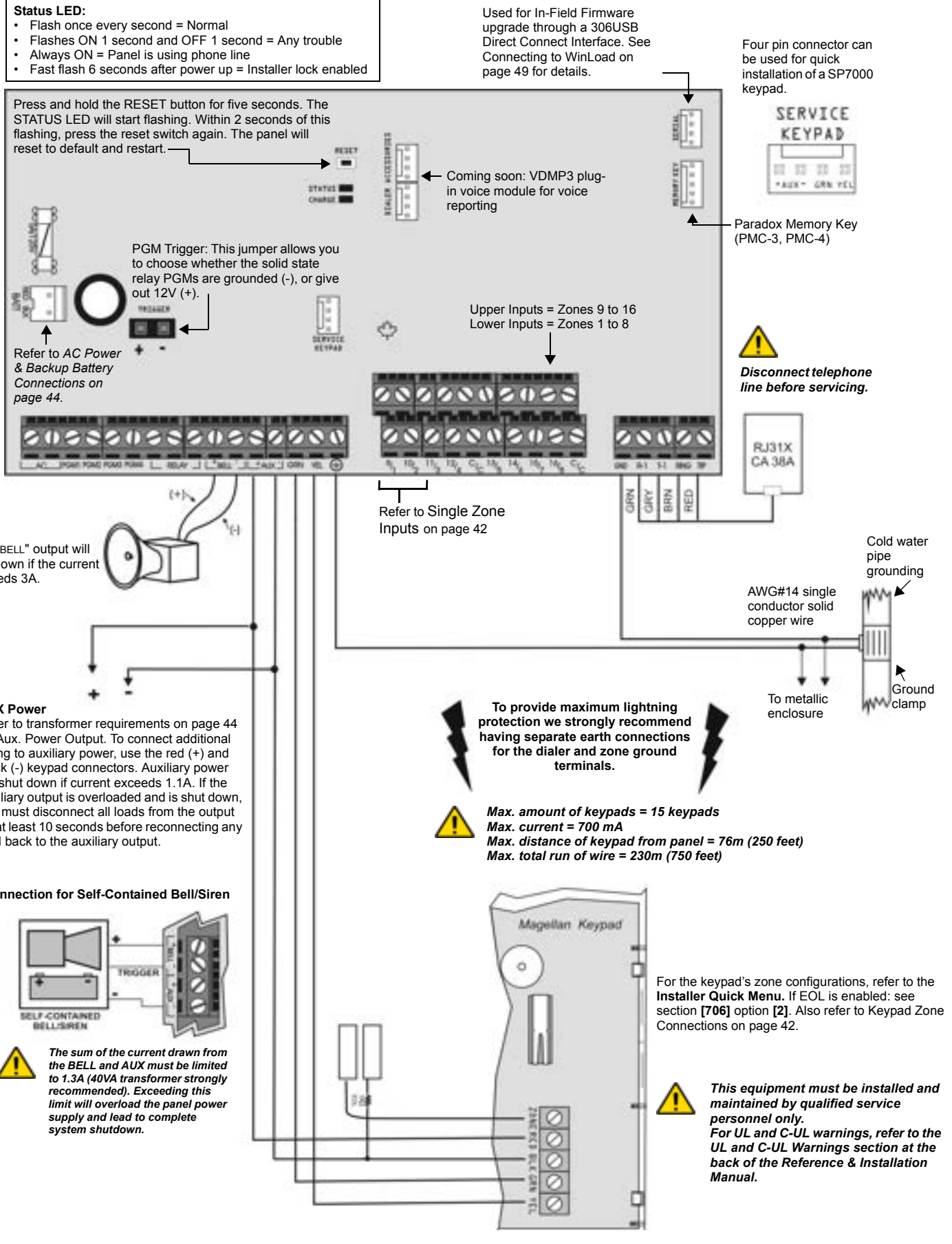


SP7000 PCB Layout

LEDs

Charge LED:
Charging and battery test LED

Status LED:
- Flash once every second = Normal
- Flashes ON 1 second and OFF 1 second = Any trouble
- Always ON = Panel is using phone line
- Fast flash 6 seconds after power up = Installer lock enabled



Warranty

Paradox Security Systems Ltd. (“Seller”) warrants its products to be free from defects in materials and workmanship under normal use for a period of one year. Except as specifically stated herein, all express or implied warranties whatsoever, statutory or otherwise, including without limitation, any implied warranty of merchantability and fitness for a particular purpose, are expressly excluded. Because Seller does not install or connect the products and because the products may be used in conjunction with products not manufactured by Seller, Seller cannot guarantee the performance of the security system and shall not be responsible for circumstances resulting from the product’s inability to operate. Seller obligation and liability under this warranty is expressly limited to repairing or replacing, at Seller's option, any product not meeting the specifications. Returns must include proof of purchase and be within the warranty period. In no event shall the Seller be liable to the buyer or any other person for any loss or damages whether direct or indirect or consequential or incidental, including without limitation, any damages for lost profits stolen goods, or claims by any other party, caused by defective goods or otherwise arising from the improper, incorrect or otherwise faulty installation or use of the merchandise sold. Notwithstanding the preceding paragraph, the Seller’s maximum liability will be strictly limited to the purchase price of the defective product. Your use of this product signifies your acceptance of this warranty. BEWARE: Dealers, installers and/or others selling the product are not authorized to modify this warranty or make additional warranties that are binding on the Seller.

Limitations of Alarm Systems:

It must be understood that while your Paradox alarm system is highly advanced and secure, it does not offer any guaranteed protection against burglary, fire or other emergency (fire and emergency options are only available on certain Paradox models). This is due to a number of reasons, including by not limited to inadequate or improper installation/ positioning, sensor limitations, battery performance, wireless signal interruption, inadequate maintenance or the potential for the system or telephone lines to be compromised or circumvented. As a result, Paradox does not represent that the alarm system will prevent personal injury or property damage, or in all cases provide adequate warning or protection.

Your security system should therefore be considered as one of many tools available to reduce risk and/or damage of burglary, fire or other emergencies, such other tools include but are not limited to insurance coverage, fire prevention and extinguish devices, and sprinkler systems.

We also strongly recommend that you regularly maintain your security systems and stay aware of new and improved Paradox products and developments.

TBR-21: In order to comply with TBR-21, standard force dialing must be enabled.

UL AND ULC WARNINGS

This equipment is UL listed in accordance with standard UL1023 (Household Burglar -- Alarm Systems Units), standard UL985 (Household Fire Warning Units) and standard UL1635 (Digital Alarm Communicator System Units). This equipment has the capability of being programmed with features not verified for use in UL installations. To stay within these standards, the installer should use the following guidelines when configuring the system:

- All components of the system should be UL listed for the intended application.
- If used for “Fire” detection, the installer should refer to NFPA Standards #72, Chapter 2. In addition, once installation is complete, the local fire authority must be notified of the installation.
- WARNING: This equipment must be installed and maintained by qualified service personnel only
- This equipment must be verified by a qualified technician once every three years.
- All keypads must use an anti-tamper switch.
- Do not bypass fire zones.
- Maximum allowed entry delay is 45 seconds.
- Maximum allowed exit delay is 60 seconds.
- Minimum 4 minutes for bell cut-off time.
- The following features do not comply with UL requirements: Bypass Recall and Auto Trouble Shutdown.
- Do not connect the primary indicating device to a relay. The installer must use the bell output.
- To comply with UL985, the auxiliary power output should not exceed 200mA.
- Do not connect the zone ground terminal with UL Listed products.
- The metallic enclosure must be grounded to the cold water pipe.
- All outputs are Class 2 or power-limited, except for the battery terminal.The Class 2 and power-limited fire alarm circuits shall be installed using CL3, CL3R, CL3P, or substitute cable permitted by the National Electrical Code, ANSI/NFPA 70.
- EOL resistor part #2011002000
- **For UL Installations:** Universal UB1640W 16.5VAC min **40VA**
- All outputs are rated from 11.3Vdc to 12.7Vdc
- 12Vdc 4Ah rechargeable acid/lead or gel cell backup battery (YUASA model #NP7-12 recommended) for residential use. Use a 7Ah battery to comply with fire requirements.
- Wheelock 46T-12 siren

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