MAGELLAN™

32 Zone Wireless Transceiver Security Systems
MG5000 V4.0
MG5050 V4.0

SP SPECTRA®

5 to 32 Zone Expandable Security Systems
SP5500 V4.0
SP6000 V4.0
SP7000 V4.0

STAY D™
Always Armed,
Never Disarmed

Programming Guide

PARADOX®
SECURITY SYSTEMS
PARADOX.COM

Warranty

For complete warranty information on this product please refer to the Limited Warranty Statement found on the website www.paradox.com/terms. Your use of the Paradox product signifies your acceptance of all warranty terms and conditions.

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 has the capability of being programmed with features not verified for use in UL installations. To stay within UL and ULC 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

Legal

Table of Contents

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

Conventions

Default Settings: Options which are bold signify the default value:
e.g. Access code length: ☐ 6 digits ☐ **4 digits** (4 digits is the default value)

Warning or important information	NOTE: Suggestion or reminder	QM Quick Menu (see page 69)

System Overview

Module	Description	Maximum number per system	Current Consumption
K32RF, K37	32-Zone Wireless Keypad Modules	8 total	Wireless
K10V/H, K32, K32LCD, K35, K636	10 and 32-Zone Hardwired Keypad Module	15 total including ZX8 and RTX3	K10V/H: Min. = 44mA / Max. = 72mA K32: Min. = 49mA / Max. = 148mA K32LCD: Min. = 43mA / Max. = 86mA K35: Min. = 30mA / Max. = 70mA K636: Min. = 28mA / Max. = 33mA
ZX8 ZX8SP	8-Zone Expansion Module	3	Min. = 29mA / Max. = 31mA
RPT1	Magellan Wireless Repeater Module	2	Average = 57mA
VDMP3	Plug-In Voice Dialer	1	Min. = 28mA / Max. = 28mA
IP100	Internet Module	1	Min. = 90mA / Max. = 120mA
RTX3	Wireless Expansion Module **(Spectra SP only)**	1	Min. = 61mA / Max. = 143mA
PCS100	Paradox Communicator Module	1	Min. = 400mA / Max. = 1A

Entering Programming Mode

StayD Mode must be deactivated in order to enter programming mode. To deactivate StayD, press [OFF] + [CODE] + [OFF].

1. Press **[ENTER]**.
2. Enter your **[INSTALLER CODE]** (default: 000000) or **[MAINTENANCE CODE]** (no default). [ARM] and [STAY] lights flash. To modify codes, see *System Codes* on page 52.
3. Enter 3-digit **[SECTION]** you wish to program. [ARM] and [STAY] lights are ON.
4. Enter required **[DATA]**.

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/ Icon as indicated below will begin to flash indicating that you are in the Data Display Mode.

K636 K10V/H K35/K37 K32RF/K32

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 5 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 **[SLEEP]** 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.

Important 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]	Wireless transmitter serial number display (press any button on the assigned remote control or press the tamper switch of the wireless module, then press **[ENTER]** to view the next digit)
[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 (press **[ENTER]** to view the next digit)

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

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 52 and refer to section [701] option [1] on page 52.
Maintenance Code (No Default)	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], [911], [970], and [975]). To set the default code, go to section [398] on page 52 and refer to section [701] option [1] on page 52.
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 52 and refer to section [701] option [1] on page 52.
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 RTX3 is used in conjunction with the panel.
- When using an SP6000 panel in conjunction with an RTX3, all K32 and K10V/H keypads must be versions 2.0 or higher.
- The K35 Fixed LCD keypad module is only compatible with MG/SP panel version 2.3 and higher.

Viewing Version Numbers

Step	Action	Details	When Viewing Keypad Version
1	Enter Viewing Mode: -For **panel version**, enter section **[980]**. -For **keypad version**, enter Installer Programming, then press and hold **[ARM]**.	The first digit is displayed (usually "0")	Digit 1 ⇨ **[ARM]** is illuminated
2	Press **[ENTER]**	The second digit is displayed	Digit 2 ⇨ **[SLEEP]** is illuminated
3	Press **[ENTER]**	The third digit is displayed	Digit 3 ⇨ **[STAY]** is illuminated
4	Press **[ENTER]**	The fourth digit is displayed	Digit 4 ⇨ **[OFF]** is illuminated

Example: Version 0**1.42.**
Digits 1-4

NOTE: *K10V/H / K636 keypad version numbers cannot be viewed.*

System Planning

Note: *Maximum of 3 ZX8 modules.*

Serial # Sticker	Description	Path Zone (Entry Point)	Path Zone	Path Zone	Path Zone
Keypad 1 / ZX8 / ZX8SP					
Keypad 2 / ZX8 / ZX8SP					
Keypad 3 / ZX8 / ZX8SP					
Keypad 4 / ZX8 / ZX8SP					
Keypad 5 / ZX8 / ZX8SP					
Keypad 6 / ZX8 / ZX8SP					
Keypad 7 / ZX8 / ZX8SP					
Keypad 8 / ZX8 / ZX8SP					
Keypad 9 / ZX8 / ZX8SP					
Keypad 10 / ZX8 / ZX8SP					
Keypad 11 / ZX8 / ZX8SP					
Keypad 12 / ZX8 / ZX8SP					
Keypad 13 / ZX8 / ZX8SP					
Keypad 14 / ZX8 / ZX8SP					
Keypad 15 / ZX8 / ZX8SP					

Wireless Keypad Planning

Serial # Sticker	Description	Path Zone (Entry Point)	Path Zone	Path Zone	Path Zone
K32RF / K37 1					
K32RF / K37 2					
K32RF / K37 3					
K32RF / K37 4					
K32RF / K37 5					
K32RF / K37 6					
K32RF / K37 7					
K32RF / K37 8					

NOTE: *When deleting a wireless keypad (K32RF / K37) from the system, the corresponding StayD path zones will also be deleted.*

Wireless Siren Planning

Serial # Sticker	Description	Serial # Sticker	Description
Siren 1		Siren 3	
Siren 2		Siren 4	

Wireless System Planning

Serial # Sticker	Description
PGM 1	
PGM 2	
PGM 3	
PGM 4	
PGM 5	
PGM 6	
PGM 7	
PGM 8	

Serial # Sticker	Description
PGM 9	
PGM 10	
PGM 11	
PGM 12	
PGM 13	
PGM 14	
PGM 15	
PGM 16	

Serial # Sticker	Description
Repeater 1	

Serial # Sticker	Description
Repeater 2	

Serial # Sticker Wireless/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/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 See Quick Menus on page 69

NOTE: *For keypad zone programming, see page 17.*

Zone Recognition (MG Series)

When expanding zones via ZX8, up to 3 ZX8 modules can be added to the system and are identified by the ZX8 3-position jumpers +1, +9 and +17.

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

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

NOTE: *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)

When expanding zones via ZX8, up to 3 ZX8 modules can be added to the system and are identified by the ZX8 3-position jumpers +1, +9 and +17.

SP5500 No ATZ			SP5500 ATZ		
	Zone 1:	Panel Input 1		Zone 1:	Panel Input 1A
	Zone 2:	Panel Input 2		Zone 2:	Panel Input 2A
Panel	Zone 3:	Panel Input 3		Zone 3:	Panel Input 3A
	Zone 4:	Panel Input 4		Zone 4:	Panel Input 4A
	Zone 5:	Panel Input 5	**Panel**	Zone 5:	Panel Input 5A
	Zone 6:	Input 1		Zone 6:	Panel Input 1B
	Zone 7:	Input 2		Zone 7:	Panel Input 2B
ZX8	Zone 8:	Input 3		Zone 8:	Panel Input 3B
Jumper	Zone 9:	Input 4		Zone 9:	Panel Input 4B
Panel + 1	Zone 10:	Input 5		Zone 10:	Panel Input 5B
	Zone 11:	Input 6		Zone 11:	Input 1
	Zone 12:	Input 7		Zone 12:	Input 2
	Zone 13:	Input 8	**ZX8**	Zone 13:	Input 3

SP6000 No ATZ			SP6000 ATZ		
	Zone 1:	Panel Input 1		Zone 1:	Panel Input 1A
	Zone 2:	Panel Input 2		Zone 2:	Panel Input 2A
Panel	Zone 3:	Panel Input 3		Zone 3:	Panel Input 3A
	Zone 4:	Panel Input 4		Zone 4:	Panel Input 4A
	Zone 5:	Panel Input 5		Zone 5:	Panel Input 5A
	Zone 6:	Panel Input 6		Zone 6:	Panel Input 6A
	Zone 7:	Panel Input 7		Zone 7:	Panel Input 7A
ZX8	Zone 8:	Panel Input 8	**Panel**	Zone 8:	Panel Input 8A
	Zone 9:	Input 1		Zone 9:	Panel Input 1B
	Zone 10:	Input 2		Zone 10:	Panel Input 2B
ZX8	Zone 11:	Input 3		Zone 11:	Panel Input 3B
Jumper	Zone 12:	Input 4		Zone 12:	Panel Input 4B
Panel + 1	Zone 13:	Input 5		Zone 13:	Panel Input 5B

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

SP6000 No ATZ		SP6000 ATZ	
	Zone 14: Input 6		Zone 14: Panel Input 6B
	Zone 15: Input 7		Zone 15: Panel Input 7B
	Zone 16: Input 8		Zone 16: Panel Input 8B
	Zone 17: Input 1		Zone 17: Input 1
	Zone 18: Input 2		Zone 18: Input 2
ZX8	Zone 19: Input 3	**ZX8**	Zone 19: Input 3
Jumper	Zone 20: Input 4	**Jumper**	Zone 20: Input 4
Panel + 9	Zone 21: Input 5	**Panel + 1**	Zone 21: Input 5
	Zone 22: Input 6		Zone 22: Input 6
	Zone 23: Input 7		Zone 23: Input 7
	Zone 24: Input 8		Zone 24: Input 8
	Zone 25: Input 1		Zone 25: Input 1
	Zone 26: Input 2		Zone 26: Input 2
ZX8	Zone 27: Input 3	**ZX8**	Zone 27: Input 3
Jumper	Zone 28: Input 4	**Jumper**	Zone 28: Input 4
Panel + 17	Zone 29: Input 5	**Panel + 9**	Zone 29: Input 5
	Zone 30: Input 6		Zone 30: Input 6
	Zone 31: Input 7		Zone 31: Input 7
	Zone 32: Input 8		Zone 32: Input 8

NOTE: *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.*

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

Zone Definitions

NOTE: *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.*

To program zone definitions, zone partitions and assign options:

Step	Action	Details
1	**[ENTER] + [INSTALLER CODE]** (default: 0000 / 000000)	**[ARM]** + **[STAY]** = flash. **[MAINTENANCE CODE]** may also be used.
2	Enter 3-digit zone you wish to program **[001]** to **[032]**	**[ARM]** + **[STAY]** = on (see page 13)
3	Enter a 2-digit zone definition	2 digits: 01 to 32 (see Table 1 below)
4	Assign Partition **[1]**, **[2]** or **[3]**	By default, all zones are assigned to partition 1. (see Table 2)
5	Select or deselect zone options using buttons **[1]** to **[8]**	For zone options, see Table 3. For keyswitch options, see Table 4.
6	To save and proceed to the next zone, press **[ENTER]**	

Table 1: Zone Definitions

Zone Definitions	Stay Arm	Sleep Arm	Fully Arm
00 = Zone Disabled (default)	-	-	-
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
33 = Instant No Pre-Alarm (Stay/Sleep)	Instant No Pre-Alarm	Instant No Pre-Alarm	Not Armed
34 = Instant No Pre-Alarm (Sleep)	Not Armed	Instant No Pre-Alarm	Not Armed
35 = Entry Delay 1 (Stay/Full) / Instant	Entry Delay 1	Instant No Pre-Alarm	Entry Delay 1
36 = Entry Delay 1 (Full Arm) / Instant	Instant No Pre-Alarm	Instant No Pre-Alarm	Entry Delay 1

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

** On-board hardwire control panel zones only

† ZX8 inputs do not support fire zones.

For 2-wire smoke installations (not supported by SP5500), these definitions apply to Zone 1 Input only. Section **[706]**, option **[3]** must be enabled.

For 4-wire smoke installations, use any panel on-board zone input.

†† This alarm will follow the Panic 1 option (section [702], option [1])

Zone Definitions
11 = Instant Fire†
12 = Delayed Fire†
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 = 24hr. Panic††
23 = Follow No Pre-Alarm
24 = Instant No Pre-Alarm
25 = Keyswitch Maintain**
26 = Keyswitch Momentary**

NOTE: *For more zone options, see sections [705] and [706] on page 14.*

Table 2: Partition Assignment

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

† When using a K636 keypad, only partition 1 is available.

Table 3: Zone Options

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

Table 4: Keyswitch Options

[1]- N/A
[2]- N/A
[3]- N/A
[4] **OFF = Disarm**
ON = Disarm only if Stay/Sleep armed
[5] = Arm only
[6] = Stay arming‡
[7] = Sleep arming‡
[8] = N/A

‡ Select only one. If all are off, key-switch will regular arm.

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

* See Zone Recognition tables on page 10.

Refer to the **Installer Quick Menu** on page 69.

Zone Labels

[965] Reset Zone Labels

Option		OFF	ON
[1]	Reset zone labels	☐ Disabled	☐ **Enabled**

Section	Zone	Label	Section	Zone	Label
[181]	1	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[197]	17	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[182]	2	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[198]	18	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[183]	3	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[199]	19	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[184]	4	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[200]	20	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[185]	5	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[201]	21	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[186]	6	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[202]	22	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[187]	7	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[203]	23	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[188]	8	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[204]	24	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[189]	9	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[205]	25	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[190]	10	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[206]	26	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[191]	11	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[207]	27	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[192]	12	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[208]	28	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[193]	13	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[209]	29	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[194]	14	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[210]	30	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[195]	15	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[211]	31	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[196]	16	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[212]	32	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD) on page 50.*

Bus Module Labels

[965] Reset Bus Module Labels

Option		OFF	ON
[5]	Reset bus module labels	☐ Disabled	☐ **Enabled**

Section	Bus	Label	Section	Bus	Label
[781]	1	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[789]	9	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[782]	2	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[790]	10	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[783]	3	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[791]	11	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[784]	4	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[792]	12	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[785]	5	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[793]	13	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[786]	6	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[794]	14	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[787]	7	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[795]	15	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[788]	8	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__			

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD)* on page 50.

Zone Options

[705] ATZ Options

Option		OFF	ON
[1]	ATZ zone doubling	☐ **Disabled**	☐ Enabled
[2]	ATZ wiring options	☐ **Series**	☐ Parallel

[3] & [4] Tamper Recognition

[3]	[4]	RF Zone/Hardwired Zone Tamper Recognition Options	Keypad / Bus Module Tamper Recognition 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

* 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 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

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 (except SP5500)	☐ **Disabled**	☐ Enabled
[4]	ZX8 ID A (Panel + 1) Input 1	☐ **Zone input**	☐ Tamper input
[5]	ZX8 ID B (Panel + 9) Input 1	☐ **Zone input**	☐ Tamper input
[6]	ZX8 ID C (Panel + 17) Input 1	☐ **Zone input**	☐ Tamper input

Zone Timers (MG Series)

Note: When both ATZ and EOL are enabled, zone speed should not be set below 300ms.

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 10 Speed
[051]	Zone 11			____/____/____	(000 to 255) x 10ms	Hardwire Zone 11 Speed
[052]	Zone 12			____/____/____	(000 to 255) x 10ms	Hardwire Zone 12 Speed
[053]	Zone 13			____/____/____	(000 to 255) x 10ms	Hardwire Zone 13 Speed
[054]	Zone 14			____/____/____	(000 to 255) x 10ms	Hardwire Zone 14 Speed
[055]	Zone 15			____/____/____	(000 to 255) x 10ms	Hardwire Zone 15 Speed
[056]	Zone 16			____/____/____	(000 to 255) x 10ms	Hardwire Zone 16 Speed

Zone Timers (SP Series)

Note: When both ATZ and EOL are enabled, zone speed should not be set below 300ms.

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 10 Speed
[051]	Zone 11		(Z3 with ATZ):	(Z11):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 11 Speed
[052]	Zone 12		(Z4 with ATZ):	(Z12):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 12 Speed
[053]	Zone 13		(Z5 with ATZ):	(Z13):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 13 Speed
[054]	Zone 14		(Z6 with ATZ):	(Z14):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 14 Speed
[055]	Zone 15		(Z7 with ATZ):	(Z15):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 15 Speed
[056]	Zone 16		(Z8 with ATZ):	(Z16):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 16 Speed

* SP7000: For zones 17-32 (ATZ), the zone timer is set at 0.6 seconds.

Zone Report Codes (Default = FF)

[966] Clear Zone Report Codes

Option		OFF	ON
[1]	Clear zone report codes*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

[967] Reset Zone Report Codes

Option		OFF	ON
[1]	Reset zone report codes to default*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

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:	___/___	___/___	___/___	___/___

Section		Alarm	Alarm Restore	Tamper	Tamper Restore
[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:	___/___	___/___	___/___	___/___

Keypad Programming

Keypad Zone Number Assignment

Step	Action	Details
1	**[ENTER] + [INSTALLER CODE]** (default: 0000 / 000000)	[ARM] + [STAY] = flash. **[MAINTENANCE CODE]** may also be used.
2	Press and hold ⏻ (3sec)	[ARM] + [STAY] = on
3	**[ZONE NUMBER]** + **[ENTER]***	K35 / K32 / K32LCD= 2 digits: 01 to 32 K636 / K10V/H = 1 digit: 1 to 0(10) * To erase a keypad zone number, press **[CLEAR]**, then **[ENTER]**. Also, this step activates the EOL resistors if section [706] option [2] is enabled (see page 15).

Entry Point Zone Assignment (StayD)

Step	Action	Details
1	**[ENTER]** + **[INSTALLER CODE]** (default: 0000 / 000000)	[ARM] + [STAY] = flash.
2	Press and hold **[OFF]** (3sec)	[ARM] + [STAY] = on
3	**[ZONE NUMBER]***	K35 / K32RF / K37 / K32 / K32LCD = 2 digits: 01 to 32 K636 / K10V/H = 1 digit: 1 to 0(10) * The first zone you program will be the designated entry point and will flash. Up to three more path zones can be added; these zones will light up and stay lit.
4	**[ENTER]**	Press **[ENTER]** to save and exit

Keypad Input/Output Configuration (K636 V2.0 and higher)

Step	Action	Details
1	**[ENTER]** + **[INSTALLER CODE]** (default: 0000 / 000000)	[ARM] + [STAY] = flash.
2	Press and hold **[ENTER]** (3sec)	[ARM] + [STAY] = on
3	Option **[1]**	ON = Output switches to ground following system arming (Blue wire 150mA max.). **OFF** = Input (Keypad zone input)
4	Option **[2]**	ON = Output N.C. **OFF** = Output N.O.

NOTE: *When configuring as an output, you must first clear the keypad zone (if assigned).*

[701] Keypad Options

Option		OFF	ON
[3]	Confidential mode	☐ **Disabled**	☐ Enabled
[4]	To exit confidential mode	☐ **Enter a code**	☐ Press a key
[5]	Confidential mode timer	☐ **2 minutes**	☐ 5 seconds
[7]	Display entry delay on LCD keypad (K32LCD)	☐ Disabled	☐ **Enabled**
[8]	Display exit delay on LCD keypad (K32LCD)	☐ Disabled	☐ **Enabled**

[703] Keypad Options

Option		OFF	ON
[1]	One-touch regular arming	☐ Disabled	☐ **Enabled**
[2]	One-touch stay arming	☐ Disabled	☐ **Enabled**
[3]	One-touch sleep arming	☐ Disabled	☐ **Enabled**
[4]	One-touch bypass programming	☐ Disabled	☐ **Enabled**

[704] Keypad Options

Option		OFF	ON
[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**

Keypad Lockout

	Data	Description	
[716]	____/____/____	(000 to 255) minutes	Keypad lockout delay (default 000)
[717]	____/____/____	(000 to 255) attempt before locking	Keypad lockout counter (default 000)

Partition Programming

NOTE: *When using a K636 keypad, only partition 1 is available. To use both partitions, use any other compatible keypad.*

[700] Partitioning

Option		OFF	ON
[1]	Partitioning	☐ **Disabled**	☐ Enabled

Partition Labels

[965] Reset Partition Labels

Option		OFF	ON
[3]	Reset partition labels	☐ Disabled	☐ **Enabled**

Section	Part.	Label
[771]	1	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___
Section	Part.	
[772]	2	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD)* on page 50.

[741] Partition 1 Options

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] **OFF** / [4] **OFF** Regular; OFF / ON Sleep; ON / OFF Stay		
[5]	Switch to stay arming if no entry delay zone is opened	☐ **Disabled**	☐ Enabled
[6]	Follow zones become entry delay 2 when delay zone is bypassed	☐ **Disabled**	☐ Enabled

[742] Partition 2 Options

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] **OFF** / [4] **OFF** Regular; OFF / ON Sleep; ON / OFF Stay		
[5]	Switch to stay arming if no entry delay zone is opened	☐ **Disabled**	☐ Enabled
[6]	Follow zones become entry delay 2 when delay zone is bypassed	☐ **Disabled**	☐ Enabled

Partition Timers

Refer to the Installer Quick Menu on page 69 for alternate entry/exit and bell cut-off timer programming.

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)

System Programming

[700] General System Options

Option		OFF	ON
[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
[6]	Exit delay termination	☐ **Disabled**	☐ Enabled
[7]	Tamper supervision on the bus module	☐ **Disabled**	☐ Enabled

[702] Panic Options

Option		OFF	ON
[1]	Panic 1	☐ **Disabled**	☐ Enabled
[2]	Panic 2	☐ **Disabled**	☐ Enabled
[3]	Panic 3	☐ **Disabled**	☐ Enabled
[4]	Panic 1: Report only or audible alarm	☐ **Report only**	☐ Audible
[5]	Panic 2: Report only or audible alarm	☐ **Report only**	☐ Audible
[6]	Panic 3: Report only or audible alarm	☐ **Report only**	☐ Audible

[703] Arming/Disarming Options

Option		OFF	ON
[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

[704] Arming/Disarming Options

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**

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 015)	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)
[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	Flex-Instant delay (default 015)
[721]	____/____/____	(000 to 255) seconds	For StayD: Re-arm delay (default 005)

Daylight Savings Programming

[730]		OFF	ON
Option			
[1]	Daylight savings	☐ **Disabled**	☐ Enabled

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

Country Code List	
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 = Israel
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 (New Daylight Saving Time for 2007)
	19 = New Zealand (New Daylight Saving Time for 2007)

Customized Daylight Saving Programming

In addition to using the default Daylight Saving Time (DST) settings in section **[731],** you can also set a customized DST. Set section **[732]** for the DST starting period and **[733]** for the DST ending period. Both sections recognize 5 different entries of 2 digits each. All entries must be assigned in this respective order:

Months	01 to 12	01 = January	*If the Day value is set to (00), the Day is ignored and the DST change will respect only the Date value. ** If the Day setting is set to a value other than 00 (e.g. 03 - Tuesday), the DST time change will occur on the first 'Tuesday' following the programmed Date value.
Date	01 to 31	01 = First day of the month	
Day**	00 to 07	00 = Default*, 01 = Sunday	
Hours	00 to 23	00 = Midnight	
Minutes	00 only	00 = 60 minutes or 1 hour	

If you have modified sections [732] and [733] but want to revert to a standard DST code, change all of the settings in **[732]** and **[733]** to (00).

Daylight Savings Start/End Period

	Data	Description
[732]	__/__/__/__/__/__/__/__/__/__/__/__	Daylight Savings Time Starting Period
[733]	__/__/__/__/__/__/__/__/__/__/__/__	Daylight Savings Time Ending Period

Communication Programming

The Communication Programming section is divided into sections corresponding to each installation type. Begin by programming the General Communications Options, and then program for one or more of the following specific installation types:

- **Landline** - see page 23
- **GSM** - (PCS100 GSM edition) - page 24
- **Network** - GPRS/IP (PCS100 GPRS edition / IP100) - see page 26

NOTE: For increased security, it is suggested that redundant communication methods be installed.

General Communications Options

The following sections apply to all systems that report to a monitoring station:

[801] Dialer Options

Option		OFF	ON
[1]	Report system disarming	☐ Always	☐ **After alarm**
[2]	Report zone restore	☐ **Bell cutoff**	☐ Zone closure

[3] & [4]

Auto-Test Report Transmission Options

[3]	[4]	
OFF	**OFF**	Transmit the test report code every time the days programmed in section **[840]** have elapsed at the time programmed in section **[850]** (default).
OFF	ON	When disarmed: Transmit test report code every time the time programmed in section **[852]** has elapsed. When armed: Transmit test report code every time the time programmed in section **[851]** has elapsed.
ON	OFF	The control panel will transmit the test report code every hour on the minute value programmed in section **[850]** (the last two digits). Note that the first two digits of section **[850]** will be ignored. *E.g. If 10:25 was programmed into section [850], the test report code would be transmitted at the 25th minute of every hour, i.e. 11:25, 12:25, etc.*
ON	ON	The test report code will be transmitted when any of the conditions of the second and third options listed above (options **[3]** = OFF and **[4]** = ON / options **[3]** = ON and **[4]** = OFF) are met.

[5]	Contact ID Override	☐ **Disabled**	☐ CID defaults / slow format custom

[802] Event Call Direction Options 1

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

[803] Event Call Direction Options 2

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

[804] Event Call Direction Options 3

Option		OFF	ON
[1]	Call tel. #1 / monitoring rcvr. #1 for special report codes	☐ Disabled	☐ **Enabled**
[2]	Call tel. #2 / monitoring rcvr. #2 for special report codes	☐ Disabled	☐ **Enabled**
[3]	Call pager for special report 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 paramedic alarm	☐ Disabled	☐ **Enabled**
[8]	Call personal tel. # on panel power trouble	☐ **Disabled**	☐ Enabled

WinLoad Options

[900] WinLoad Options

		OFF	ON
[1]	Call back	☐ **Disabled**	☐ Enabled
[2]	Automatic event buffer transmission	☐ **Disabled**	☐ Enabled

[910] ____/____/____/____ Panel ID

[911] ____/____/____/____ PC password

NOTE: For increased communication security, change the default Panel ID and PC password.

[915] ___/

PC telephone number (landline / GSM communication only)

Communication Settings

Section	Data	Description
[810]	___/___ TEL1 TEL2	Reporting format 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

Communication Timers

Section		Data	Description
[820]	____/____/____	Future use	Future use
[830]	____/____/____	(000 to 255) x 2 seconds	TLM fail delay (default 016)
[831]	____/____/____	(000 to 032)	Maximum dialing attempts monitoring station (default 008)
[832]*	____/____/____	(000 to 127) seconds	Delay between dialing attempts* (default 020)
[833]	____/____/____	(000 to 255) seconds	Delay alarm transmission (default 000)
[834]	____/____/____	(000 to 127) seconds	Pager reporting delay (default 020)
[835]	____/____/____	(000 to 010)	Pager reporting message repetition (default 003)
[836]*	____/____/____	(000 to 127) seconds	Personal reporting delay* (default 005)
[837]*	____/____/____	(000 to 010)	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) (see section [801] options [3] and [4] on page page 21)
[850]	____/____/____/____	HH: MM	Auto test report time of day (default 00:00) (see section [801] options [3] and [4] on page page 21)

Section		Data	Description
[851]	____/____/____	(000 to 255) minutes	Armed report delay (default 005)
[852]	____/____/____	(000 to 255) minutes	Disarmed report delay (default 060)
[901]*	____/____/____	(000 to 255) rings	Number of rings* (default 008)
[902]*	____/____/____	(000 to 255) sec. (max 127)	Answering machine override delay* (default 030)

* This section applies when using a VDMP3 Plug-In Voice Dialer.

VDMP3 Options

[703] Arm/disarm with VDMP3

Option		OFF	ON
[8]	Arm/disarm with VDMP3	☐ Disabled	☐ **Enabled**

Section		Data	Description
[841]	____/____/____	(000 to 032)	Maximum voice dialing attempts - VDMP3 (default 008)

NOTE: For more VDMP3 options, see *Communication Timers* on page 22.

Landline Communication

Panels can be programmed for landline reporting using the following sections:

[800] **Dialer Options**

Option		OFF	ON
		☐ See Table	☐ See Table

[1] & [2]

Telephone Line Monitoring (TLM) Options

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

Option		OFF	ON
[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]	Reporting*	☐ **Dialer activated**	☐ No dialer

* This option also applies to GSM communication.

Communication Settings

Section	Data / Description
[815]*	___/ MONITORING STATION TELEPHONE NUMBER 1
[816]*	___/ MONITORING STATION TELEPHONE NUMBER 2
[817]*	___/ BACKUP TELEPHONE NUMBER
[818]*	___/ PAGER TELEPHONE NUMBER
[819]*	___/ NUMERIC MESSAGE SENT WITH PAGER REPORTING

* This option also applies to GSM communication.

Refer to the **Installer Quick Menu** on page 69 and the **Master Quick Menu** in the User Guide for programming telephone numbers.

NOTE: *To erase a phone number/numeric message, press the [SLEEP] key for each digit in the respective section.*

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

GSM Communication

Systems that include the PCS100 (GSM edition) can be programmed for GSM communication using the following sections:

[800] Reporting

Option		OFF	ON
[8]	Reporting*	☐ **Dialer activated**	☐ Dialer deactivated

* This option also applies to landline communication.

Section **Data** **Description**

[815]* ___/
MONITORING STATION TELEPHONE NUMBER 1

[816]* ___/
MONITORING STATION TELEPHONE NUMBER 2

[817]* ___/
BACKUP TELEPHONE NUMBER

[818]* ___/
PAGER TELEPHONE NUMBER

[819]* ___/
NUMERIC MESSAGE SENT WITH PAGER REPORTING

* This option also applies to landline communication.

NOTE: *To erase a phone number/numeric message, press the [SLEEP] key for each digit in the respective section.*

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

PCS100 Programming

[805] GSM Options

Option

	GSM Reporting			
	[1]	[2]	**Primary**	**Backup**
[1] & **[2]**	**OFF**	**OFF**	**Landline**	**Landline**
	OFF	ON	Landline	GSM
	ON	OFF	GSM	Landline
	ON	ON	GSM	GSM

[3] & **[4]** Future use

[5] & [6]

GSM No Service Trouble Feedback		
[5]	[6]	
OFF	OFF	Disabled
OFF	**ON**	**Trouble only**
ON	OFF	When disarmed: Trouble only When armed: Audible alarm
ON	ON	Silent alarm becomes audible alarm

[7] Future use

		OFF	ON
[8]	GSM RF jamming supervision	☐ Disabled	☐ **Enabled**

PCS100 (GSM) Settings

Section		Data	Description
[855]	___/___/___	(000 to 255) x 2 seconds	GSM no service timer (default 016)
[856]	___/___/___	(000 to 255)	SMS language (default 000)

Table 5: SMS Language ID

Language	ID	Language	ID	Language	ID	Language	ID
English	000	Portuguese	006	Croatian	012	Slovak	018
French	001	German	007	Greek	013	Chinese	019
Spanish	002	Turkish	008	Hebrew	014	Serbian	020
Italian	003	Hungarian	009	Russian	015	Future use	021 to 255
Swedish	004	Czech	010	Bulgarian	016		
Polish	005	Dutch	011	Romanian	017		

Communication Report Codes

[966] Clear Communication Report Codes

Option		OFF	ON
[6]	Clear report code for GSM lost communication with panel*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

[967] Reset Communication Report Codes

Option		OFF	ON
[6]	Reset report code for GSM lost communication with panel*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

Communication Report Codes

[879]*	____/____	PCS100 RF jam	**[884]***	____/____	GSM lost communication with panel
	____/____	PCS100 no service		____/____	N/A
	____/____	PCS100 module supervision lost		____/____	N/A
	____/____	Receiver fail to communicate (GPRS)		____/____	N/A

Communication Restore Report Codes

[881]*	____/____	PCS100 RF jam
	____/____	PCS100 no service
	____/____	PCS100 module supervision lost
	____/____	Receiver fail to communicate (GPRS)

* This section also applies to network communication programming.

Network Communication (GPRS/GSM)

Systems that report using the PCS100 (GPRS edition) or the IP100 can be programmed for TCP/IP communication using the following sections:

IP100 / PCS100 (GPRS) Options

[806] IP/GPRS Options

Option

[5] & [6]

IP/GPRS No Service Trouble Feedback		
[5]	[6]	
OFF	OFF	Disabled
OFF	**ON**	**Trouble only**
ON	OFF	When disarmed: Trouble only When armed: Audible alarm
ON	ON	Silent alarm becomes audible alarm

		OFF	ON
[7]	Use dialer reporting	☐ **As IP/GPRS reporting backup**	☐ In addition to IP/GPRS reporting
[8]	Enable IP/GPRS reporting	☐ Disabled	☐ **Enabled**

IP Account Numbers

[918] ___/___/___/___
IP ACCOUNT PARTITION 1 (E.G. 1234)

[919] ____/___/___/___
IP ACCOUNT PARTITION 2 (E.G. 1234)

IP Receiver 1 Configuration

[929] ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___
IP ADDRESS WAN1 (E.G. 100.100.100.100) NOTE: FOR 1 OR 2 DIGIT NUMBERS, ADD "0"S BEFORE THE FIRST DIGIT

[930] ___/___/___/___/___
IP PORT WAN1 (E.G. 10000)

[931] ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___
IP ADDRESS WAN2

[932] ___/___/___/___/___
IP PORT WAN2

[933] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___
IP PASSWORD (E.G. 123456)

[934] ___/___
IP PROFILE (E.G. 01)

[935] **IP RECEIVER STATUS**
VIEW STATUS / TO REGISTER, PRESS [ARM] (see Table 6 on page 27)

IP Receiver 2 Configuration

[936] ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___
IP ADDRESS WAN1 (E.G. 100.100.100.100)

[937] ___/___/___/___/___
IP PORT WAN1 (E.G. 10000)

[938] ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___
IP ADDRESS WAN2

[939] ___/___/___/___/___
IP PORT WAN2

[940] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___
IP PASSWORD (E.G. 123456)

[941] ___/___
IP PROFILE (E.G. 01)

[942] **IP RECEIVER STATUS**
VIEW STATUS / TO REGISTER, PRESS [ARM] (see Table 6 on page 27)

IP Receiver Backup Configuration

[943] ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___
IP ADDRESS WAN1 (E.G. 100.100.100.100)

[944] ___/___/___/___/___
IP PORT WAN1 (E.G. 10000)

[945] ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___
IP ADDRESS WAN2

[946] ___/___/___/___/___
IP PORT WAN2

[947] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___
IP PASSWORD (E.G. 123456)

[948] ___/___
IP PROFILE (E.G. 01)

[949] **IP RECEIVER STATUS**
VIEW STATUS / TO REGISTER, PRESS [ARM] (see Table 6 on page 27)

Table 6: IP/GPRS Registration Status

Main Menu Trouble	Sub-Menu Trouble Menu
[1] IP/GPRS module registration status	**[1]** OFF = Unregistered **[1]** Slow Flash = Registering... **[1]** ON = Registration OK
[2] IP/GPRS module error	**[7]** No IP/GPRS module **[8]** Ethernet cable unplugged/GSM no service **[9]** No IP address acquired by module/GPRS network trouble
[3] IP/GPRS programming error	**[7]** No IP address (not programmed) **[8]** No IP port (not programmed) **[9]** No IP account (not programmed) **[10]** No Access point name (not programmed - GPRS only)
[4] IP/GPRS registration error	**[7]** Cannot connect **[8]** Invalid profile **[9]** Invalid format **[10]** Account already registered under another MAC address
Register module	When all troubles are cleared, press **[ARM]** to register module.

WinLoad / PCS100 Connection Settings

[780] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
SMS SITE NAME

[920] ____/____/____/____/____
PORT (DEFAULT = 10000)

[921] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
ACCESS POINT NAME (APN) PART 1 (E.G. INTERNET.COM)

[922] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
ACCESS POINT NAME (APN) PART 2

[923] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
USER NAME PART 1

[924] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
USER NAME PART 2

[925] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
PASSWORD PART 1

[926] ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/
PASSWORD PART 2

[927]	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/ INSTALLER SOFTWARE PASSWORD (WINLOAD) (DEFAULT = ADMIN)

Refer to the **Installer Quick Menu** on page 69 for alternate programming of PC phone number, panel ID, and PC password.

Communication Report Codes

Section	Code	Description	Section	Code	Description
[879]*	____/____	PCS100 RF jam	**[880]**	____/____	N/A
	____/____	PCS100 no service		____/____	IP100 no service
	____/____	PCS100 module supervision lost		____/____	IP100 supervision lost
	____/____	Receiver fail to communicate (GPRS)		____/____	IP receiver fail to communicate

Communication Restore Report Codes

Section	Code	Description	Section	Code	Description
[881]*	____/____	PCS100 RF jam	**[882]**	____/____	N/A
	____/____	PCS100 no service		____/____	IP100 no service
	____/____	PCS100 module supervision lost		____/____	IP100 supervision lost
	____/____	Receiver fail to communicate (GPRS)		____/____	IP receiver fail to communicate

* This section also applies to GSM communication programming.

Programmable Output Programming

See Quick Menus on page 69

PGM Labels

[965] **Reset PGM Labels**

Option		**OFF**	**ON**
[4]	Reset PGM labels	☐ Disabled	☐ **Enabled**

Section	PGM	Label	Section	PGM	Label
[341]	1	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[349]**	9	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[342]	2	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[350]**	10	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[343]	3	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[351]**	11	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[344]	4	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[352]**	12	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[345]	5	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[353]**	13	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[346]	6	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[354]**	14	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[347]	7	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[355]**	15	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[348]	8	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[356]**	16	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD) on page 50.*

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.

NOTE: *See Button Options Table on page 54.*

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 15 = Pre-alarm delay 16 = Report confirmation 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 [4] and [5]) (Partition 1 only) 10 = Utility Key 3 pressed (keys [7] and [8]) (Partition 1 only) 11 = Utility Key 4 pressed (keys [2] and [3]) (Partition 1 only) 12 = Utility Key 5 pressed (keys [5] and [6]) (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 (non-PGM event) 22 = N/A 23 = StayD mode activated 24 = StayD mode deactivated 25 = IP Registration status change 26 = GPRS Registration status change 99 = Any non-reportable event
08 = Button pressed on remote (See button option “B” on page 54) **09 = Button pressed on remote** (See button option “C” on page 54) **10 = Button pressed on remote** (See button option “D” on page 54) **11 = Button pressed on remote** (See button option “E” on page 54)	01 to 32 = Remote control number 99 = Any remote control number

Event Group #	Sub-group #
12 = Cold start wireless zone	01 to 32 = Zone number 99 = Any zone number
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
22 = Button pressed on remote (see button option “5”)	01 to 32 = Remote control number 99 = Any remote control number
23 = Button pressed on remote (see button option “6”)	
24 = Fire Delay started	01 to 32 = Zone number 99 = Any zone number
25 = N/A	
26 = Software Access (VDMP3, IP100, WinLoad)	00 = Non-valid source ID 01 = WinLoad direct 02 = WinLoad through IP module 03 = WinLoad through GSM module 04 = WinLoad through modem 09 = IP100 direct 10 = VDMP3 direct 11 = Voice through GSM module 12 = Remote access 13 = SMS through GSM module 99 = Any software access
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 06 = Arming with keyswitch 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 05 = Disarm with keyswitch 06 = Disarm with keyswitch after an alarm 07 = Alarm cancelled with keyswitch 99 = Any special disarming

Event Group #	Sub-group #
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
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 11 = Fail to communicate to voice report 12 = RF jamming 13 = GSM RF jamming 14 = GSM no service 15 = GSM supervision lost 16 = Fail To Communicate IP Receiver 1 (GPRS) 17 = Fail To Communicate IP Receiver 2 (GPRS) 18 = IP Module No Service 19 = IP Module Supervision Loss 20 = Fail To Communicate IP Receiver 1 (IP) 21 = Fail To Communicate IP Receiver 2 (IP) 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 08 = Fail to communicate to monitoring station telephone #1 restore 09 = Fail to communicate to monitoring station telephone #2 restore 11 = Fail to communicate to voice report restore 12 = RF jamming restore 13 = GSM RF jamming restore 14 = GSM no service restore 15 = GSM supervision lost restore 16 = Fail To Communicate restore IP Receiver 1 (GPRS) 17 = Fail To Communicate restore IP Receiver 2 (GPRS) 18 = IP Module No Service restore 19 = IP Module Supervision loss restore 20 = Fail To Communicate restore IP Receiver 1 (IP) 21 = Fail To Communicate restore IP Receiver 2 (IP) 99 = Any trouble restored event

Event Group #	Sub-group #
46 = Bus / EBus / Wireless module new trouble (Partition 1 only)	00 = Bus / EBus / Wireless module communication fault 01 = Tamper trouble 02 = Power fail 03 = Battery failure 99 = Any bus module new trouble event
47 = Bus / EBus / Wireless module trouble restored (Partition 1 only)	00 = Bus / EBus / Wireless module 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 = Software log on 03 = Software 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 27 to 30 = Wireless siren
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
64 = System Status*	00 = Follow Arm LED status**: 1. PGM pulse fast in alarm 2. PGM pulse fast in exit delay below 10 sec. 3. PGM pulse slow in exit delay over 10 sec. 4. PGM steady ON if armed 5. PGM OFF if disarmed *On-board PGMs only ** This event can be assigned to any partition. If assigned to both partitions, the PGM event will follow the priority of the list above, with #1 being the highest priority.

Refer to the **Installer Quick Menu** on page 69 for alternate PGM programming.

Programmable Output Options

Option		PGM 1 [261]		PGM 2 [262]		PGM 3 [263]		PGM 4 [264]	
		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

Option		PGM 5 [265]		PGM 6 [266]		PGM 7 [267]		PGM 8 [268]	
		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

Option		PGM 9 [269]		PGM 10 [270]		PGM 11 [271]		PGM 12 [272]	
		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

Option		PGM 13 [273]		PGM 14 [274]		PGM 15 [275]		PGM 16 [276]	
		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/SP6000 Data Default = 005	MG5050/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 / SP6000

****** = on-board relay - SP6000 (optional) / SP7000

† = hardwired - MG5050 / SP6000 (optional) / SP7000

Programmable Output Serial Numbers

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:	____/____/____/____/____/____

NOTE:
- To delete a wireless PGM, enter [000000] in its respective section.
- To view the serial number, 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 69 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)

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

Programmable Output Recognition

	MG5000/SP5500/SP6000	MG5050/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	PGM 9: (PGM4 output 1)	PGM 9: (PGM4 output 1)
PGM 10	PGM 10: (PGM4 output 2)	PGM 10: (PGM4 output 2)
PGM 11	PGM 11: (PGM4 output 3)	PGM 11: (PGM4 output 3)
PGM 12	PGM 12: (PGM4 output 4)	PGM 12: (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

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

System Report Codes

Entering Report Codes

Ademco Slow, **Silent Knight**, **SESCOA**, and **Ademco Express Formats**:

Enter the desired 2-digit hex value (00-FF).

Ademco "Programmable" Format:

Enter the desired 2-digit hex values from the "Ademco Report Code List - Programmable" (see page 39). Also Note that entering FF will set the report code to the "Automatic Report Code List" (see page 41).

Ademco "All Codes" Format:

The control panel automatically generates report codes from the "Ademco Report Code List - All Codes" (see page 41).
Refer to *Decimal and Hexadecimal Values* on page 5.

Clear System Report Codes

[966]	Clear Report Codes		
Option		**OFF**	**ON**
[3]	Clear arm/disarm/alarm report codes*	☐ Disabled	☐ **Enabled**
[4]	Clear trouble report codes*	☐ Disabled	☐ **Enabled**
[5]	Clear system special report codes*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

Reset System Report Codes

[967]	Reset Report Codes		
Option		**OFF**	**ON**
[3]	Reset arm/disarm/alarm report codes to default*	☐ Disabled	☐ **Enabled**
[4]	Reset trouble report codes to default*	☐ Disabled	☐ **Enabled**
[5]	Reset system special report codes to default*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Enable all options you want to reset to default. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

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		_____/_____	Arming with Keyswitch
	_____/_____	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 paramedic

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

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		____/____	N/A
[867]	____/____	Fail to communicate			
	____/____	RF jamming			
	____/____	Module lost			
	____/____	Module tamper			

System Trouble Restore Codes (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 jamming			
	____/____	Module lost			
	____/____	Module tamper			

System Special Report Codes (Default = FF)

Section	Data	Description	Section	Data	Description
[875]	____/____	Cold start	**[876]**	____/____	Installer in
	____/____	Test report		____/____	Installer out
	____/____	N/A		____/____	Closing Delinquency
	____/____	Software out		____/____	N/A
[878]	____/____	Disarm with Keyswitch			
	____/____	Disarm with Keyswitch after alarm			
	____/____	Alarm cancelled with Keyswitch			
	____/____	N/A			

NOTE: *For reporting code format instructions, see page 36.*

NOTE: *Refer to Decimal and Hexadecimal Values on page 5.*

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**

CID#	Reporting Code	Programming Value
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**

CID#	Reporting Code	Program-ming Value
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**

CID#	Reporting Code	Programming Value
24-hour Non-burglary - 150 and 160		
150	24-hour non-burglary	**25**
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**

CID#	Reporting Code	Programming Value
325	Reversing relay	**4C**
326	Notification appliance chk. #3	**4D**
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**

CID#	Reporting Code	Program-ming Value
385	Smoke detector Hi sensitivity	**73**
386	Smoke detector Low sensitivity	**74**
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**

CID#	Reporting Code	Programming Value
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
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

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
Keyswitch arming	3 4A9 - Keyswitch arming	CS - Keyswitch 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
Keyswitch disarm	1 4A9 - Keyswitch disarm	OS - Keyswitch disarm
Keyswitch disarm after alarm	1 4A1 - Keyswitch disarm after alarm	OS - Keyswitch disarm after alarm
Keyswitch cancel alarm	1 4A6 - Keyswitch cancel alarm	OS - Keyswitch cancel alarm
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
24Hr Gas Alarm (##)	1 151 - Gas detected	GA - Gas Alarm
24Hr Heat Alarm (##)	1 153 - Loss of heat	KA - Heat Alarm
24Hr Water Alarm (##)	1 154 - Water leakage	WA - Water Alarm
24Hr Freeze Alarm (##)	1 152 - Refrigeration	ZA - Freeze Alarm
24Hr Gas Alarm Restore (##)	3 151 - Gas restore	GR - Gas Alarm Restore
24Hr Heat Alarm Restore (##)	3 153 - Heat restore	KR - Heat Alarm Restore
24Hr Water Alarm Restore (##)	3 154 - Water restore	WR - Water Alarm Restore
24Hr Freeze Alarm Restore (##)	3 152 - Freeze restore	ZR - Freeze Alarm Restore
24Hr Hold-up Alarm	1 12A - Panic Alarm	PA - Panic Alarm
24Hr Hold-up Alarm Restore	3 12A - Panic Alarm Restore	PR - Panic 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

***** 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
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
TLM Trouble	1 351 - Telco 1 fault	LT - Phone Line Trouble
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 jamming	1 344 - RF receiver jam detection	XQ - RF Jamming
GSM/GPRS module RF interference	1 552 - Radio transmitter disabled	YS - Communication trouble
GSM/GPRS network failure	1 552 - Radio transmitter disabled	YS - Communication trouble
GSM/GPRS supervision lost	1 552 - Radio transmitter disabled	YS - Communication trouble
GSM/GPRS fail to communicate	1 354 - Communication fails	YC - Fail to communicate
IP network failure	1 552 - Radio transmitter disabled	YS - Communication trouble
IP supervision lost	1 552 - Radio transmitter disabled	YS - Communication trouble
IP fail to communicate	1 354 - Communication fails	YC - Fail to communicate
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
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 jamming	3 344 - RF receiver jam detection	XH - RF Jamming Restoral
GSM/GPRS module Rf interference restore	3 552 - Radio transmitter restore	YK - Communication restore
GSM/GPRS network restore	3 552 - Radio transmitter restore	YK - Communication restore
GSM/GPRS supervision restore	3 552 - Radio transmitter restore	YK - Communication restore
GSM/GPRS fail to communicate restore	3 354 - Communication restore	YK - Fail to communicate restore
IP network restore	3 552 - Radio transmitter restore	YK - Communication restore
IP supervision restore	3 552 - Radio transmitter restore	YK - Communication restore
IP fail to communicate restore	3 354 - Communication restore	YK - Fail to communicate restore
Combus fault	1 333 - Expansion module failure	ET - Expansion trouble
Module tamper	1 341 - Expansion module tamper	TA - Tamper alarm
Module AC fail	1 342 - AC failure on module	AT - Module AC fail
Module battery fail	1 338 - Battery failure on module	YT - Module battery fail
Bus fault restore	3 333 - Expansion module failure restore	ER - Expansion restoral
Module tamper restore	3 341 - Expansion module tamper restore	TR - Tamper restoral
Module AC fail restore	3 342 - AC restored on module	AR - Module AC fail restore
Module battery fail restore	3 338 - Battery failure on module	YR - Module battery fail restore
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

System Event	Default Contact ID Report Code	Default SIA Report Code
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
Manual trigger test in	1 6A1 - Manual trigger test in	TS - Manual trigger test in
Manual trigger test out	3 6A1 - Manual trigger test out	TS - Manual trigger test out
Exit error	1 374 - Exit error	EE - Exit error
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 zone supervision lost	1 381 - Loss of supervision - RF	US - Untype zone supervision
RF zone supervision restore	3 381 - Supervision restore - RF	UR - Untyped zone restoral
RF module supervision lost	1 381 - Loss of supervision- RF	US - Untype zone supervision
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

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 **[875]** (page 38) 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 22) 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.

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 **[8]** Wireless siren AC failure **[9]** Wireless siren 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 **[5]** Fail to communicate on voice telephone on control panel **[6]** Fail to communicate with PC on control panel **[7]** Fail to communicate with IP receiver 1 or 2 (GPRS) **[8]** Fail to communicate with IP receiver 1 or 2 (IP) **[9]** GSM no service (GSM network failure) **[10]** IP Module No Service (network failure) **[STAY]** GSM RF jamming **[OFF]** IP Receiver Unregistered (IP/GPRS)
[5] Tamper and zone wiring failure	**[1]** to **[32]** Zones in tamper and zone wiring failure
[6] Module tamper trouble	**[1]** 2WPGM **[2]** Keypad bus **[3]** ZX8 bus module **[4]** RTX3 bus module **[5]** Wireless siren
[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 jamming trouble
[0 (10)] or [10] Module supervision loss	**[1]** 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 **[6]** Wireless repeater **[7]** N/A **[8]** VDMP3 **[9]** PCS100 (GPRS) **[10]** IP100 **[STAY]** Wireless siren
[16] Keypad fault (K32 / K32RF / K37 / K35 only)	
[17] Upgrade panel to V3.2 or higher (K37 only)	
[SLEEP] Keypad fault (K636 / K10V/H only)	

Wireless Repeater Programming (RPT1)

Wireless Repeater Assignment

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

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

Section		Wireless Repeater Labels
[568]	Repeater 1	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___
[569]	Repeater 2	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD) on page 50.*

[965] Reset Wireless Repeater/Siren Labels

Option		OFF	ON
[6]	Reset wireless repeater/siren labels	☐ Disabled	☐ **Enabled**

NOTE: This section also applies to wireless siren programming on page 49.

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)

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

[700] RF Jamming Supervision

Option		OFF	ON
[5]	RF jamming supervision	☐ Disabled	☐ **Enabled**

Wireless Repeater Options

	Section:	RPT1 #1 [551]		RPT1 #2 [561]	
Option		OFF	ON	OFF	ON
[1]	Repeat Wireless Keypad 1 Signals	◘	☐	◘	☐
[2]	Repeat Wireless Keypad 2 Signals	◘	☐	◘	☐
[3]	Repeat Wireless Keypad 3 Signals	◘	☐	◘	☐
[4]	Repeat Wireless Keypad 4 Signals	◘	☐	◘	☐
[5]	Repeat Wireless Keypad 5 Signals	◘	☐	◘	☐
[6]	Repeat Wireless Keypad 6 Signals	◘	☐	◘	☐
[7]	Repeat Wireless Keypad 7 Signals	◘	☐	◘	☐
[8]	Repeat Wireless Keypad 8 Signals	◘	☐	◘	☐

	Section:	RPT1 #1 [552]		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	◘	☐	◘	☐

Section:		RPT1 #1 [552]		RPT1 #2 [562]	
Option		OFF	ON	OFF	ON
[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	☐	☐	☐	☐

Section:		RPT1 #1 [553]		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	☐	☐	☐	☐

Section:		RPT1 #1 [554]		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	☐	☐	☐	☐

Section:		RPT1 #1 [555]		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	☐	☐	☐	☐

Section:		RPT1 #1 [556]		RPT1 #2 [566]	
Option		OFF	ON	OFF	ON
[1]	Repeat Wireless 2-Way PGM 1 Signals	☐	☐	☐	☐
[2]	Repeat Wireless 2-Way PGM 2 Signals	☐	☐	☐	☐

Section:		RPT1 #1 [556]		RPT1 #2 [566]	
Option		OFF	ON	OFF	ON
[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	■	□	■	□

Section:		RPT1 #1 [557]		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	■	□	■	□

NOTE: *Remote control signals are always repeated.*

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)

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

Wireless Keypad Programming (K32RF / K37)

NOTE: *For standard keypad programming, see page 17.*

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 8 wireless keypads can be assigned within the ten minute window.

Compatibility Check (K37 only)

If the K37 is not compatible with the current panel version, the following Trouble will be displayed:
[TROUBLE : flash] [17 : on] If this occurs, update your MG/SP panel to version 3.2 or higher.

Wireless Keypad Labels

[965] Wireless Keypad Labels Reset

Option		OFF	ON
[7]	Reset wireless keypad labels	☐ Disabled	☐ **Enabled**

Section	Kpd.	Label	Section	Kpd.	Label
[599]	1	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[603]	5	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[600]	2	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[604]	6	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[601]	3	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[605]	7	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[602]	4	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[606]	8	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD)* on page 50.

Standard Wireless Keypad Assignment

Section		Wireless Keypad Serial Number
[571]	Keypad 1	____/____/____/____/____/____
[572]	Keypad 2	____/____/____/____/____/____
[573]	Keypad 3	____/____/____/____/____/____
[574]	Keypad 4	____/____/____/____/____/____
[575]	Keypad 5	____/____/____/____/____/____
[576]	Keypad 6	____/____/____/____/____/____
[577]	Keypad 7	____/____/____/____/____/____
[578]	Keypad 8	____/____/____/____/____/____

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

Wireless Keypad Signal Strength

Section	
[591]	Wireless Keypad 1 Signal Strength
[592]	Wireless Keypad 2 Signal Strength
[593]	Wireless Keypad 3 Signal Strength
[594]	Wireless Keypad 4 Signal Strength
[595]	Wireless Keypad 5 Signal Strength
[596]	Wireless Keypad 6 Signal Strength
[597]	Wireless Keypad 7 Signal Strength
[598]	Wireless Keypad 8 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)

NOTE: *To view the wireless keypad's signal strength, press the [☼] key.*

Wireless Repeater / Keypad Options

[587] Wireless Repeater / Keypad Options

Option		OFF	ON
[1]	Repeater 1 Supervision	☐ Disabled	☐ **Enabled**
[2]	Repeater 2 Supervision	☐ Disabled	☐ **Enabled**
[8]	Live Display Mode	☐ Disabled	☐ **Enabled**

[588] Wireless Keypad Options

Option		OFF	ON
[1]	Keypad 1 Supervision	☐ Disabled	☐ **Enabled**
[2]	Keypad 2 Supervision	☐ Disabled	☐ **Enabled**

[588] Wireless Keypad Options

Option		OFF	ON
[3]	Keypad 3 Supervision	☐ Disabled	☐ **Enabled**
[4]	Keypad 4 Supervision	☐ Disabled	☐ **Enabled**
[5]	Keypad 5 Supervision	☐ Disabled	☐ **Enabled**
[6]	Keypad 6 Supervision	☐ Disabled	☐ **Enabled**
[7]	Keypad 7 Supervision	☐ Disabled	☐ **Enabled**
[8]	Keypad 8 Supervision	☐ Disabled	☐ **Enabled**

Wireless Siren Programming

Wireless Siren Labels

[965] Wireless Siren/Repeater Labels Reset

Option		OFF	ON
[7]	Reset wireless siren/repeater labels	☐ Disabled	☐ **Enabled**

NOTE: This section also applies to wireless repeater programming on page 45.

Section	Siren	Label	Section	Siren	Label
[691]	1	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[693]	3	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[692]	2	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	[694]	4	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD)* on page 50.

Wireless Siren Assignment

Section		Wireless Siren Serial Number
[683]	Siren 1	___/___/___/___/___/___
[684]	Siren 2	___/___/___/___/___/___
[685]	Siren 3	___/___/___/___/___/___
[686]	Siren 4	___/___/___/___/___/___

Wireless Siren Signal Strength

Section	
[687]	Wireless Siren 1 Signal Strength
[688]	Wireless Siren 2 Signal Strength
[689]	Wireless Siren 3 Signal Strength
[690]	Wireless Siren 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)

Wireless Siren Options

[587] Wireless Siren Supervision

Option		OFF	ON
[3]	Wireless Siren 1 Supervision	☐ Disabled	☐ **Enabled**
[4]	Wireless Siren 2 Supervision	☐ Disabled	☐ **Enabled**
[5]	Wireless Siren 3 Supervision	☐ Disabled	☐ **Enabled**
[6]	Wireless Siren 4 Supervision	☐ Disabled	☐ **Enabled**

[695] Cancel Wireless Siren Tamper Supervision

Press **[ENTER]** to disable wireless siren tamper supervision for 30 minutes.

LCD Keypad Labels (K32LCD)

Use the following information to program system labels using an LCD keypad:

Input Keys

Special Function Keys	
Key	Function
[STAY]	Insert space
[SLEEP]	Delete
[ARM]	Delete whole entry
[OFF]	Toggle numeric/alphanumeric keys
[BYP]	Toggle lower case/upper case
[MEM]	Special characters

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

Special Characters and Keypad Letter Assignment

Polish / Hungarian / Turkish Special Character Catalogue

	001	002	003	004	005	006	007
Polish	Ż	Ć	Ą	Ę	Ź	Ł	Ś
Hungarian	Á	Ű	Ő				
Turkish	Ü						

Special Character Catalogue

032	048 0	064 @	080 P	096 `	112 p	128 Û	144 Ê	160 a	176 §	192 Ø	208 ·
033 !	049 1	065 A	081 Q	097 a	113 q	129 Ù	145 È	161 Î	177 ±	193 Ł	209 ¨
034 "	050 2	066 B	082 R	098 b	114 r	130 Ú	146 É	162 Ì	178 ij	194 Đ	210 °
035 #	051 3	067 C	083 S	099 c	115 s	131 Ü	147 Ë	163 í	179 ↑	195 ß	211 `
036 $	052 4	068 D	084 T	100 d	116 t	132 û	148 ê	164 ï	180 ↓	196 ç	212 ´
037 %	053 5	069 E	085 U	101 e	117 u	133 ù	149 è	165 ì	181 ↵	197 ®	213 ~
038 &	054 6	070 F	086 V	102 f	118 v	134 ú	150 é	166 Ñ	182 ƒ	198 ¤	214 ÷
039 '	055 7	071 G	087 W	103 g	119 w	135 Ô	151 ë	167 ñ	183 £	199 ⌧	215 «
040 (	056 8	072 H	088 X	104 h	120 x	136 Ò	152 Å	168 Ñ	184 →|	200 µ	216 »
041)	057 9	073 I	089 Y	105 i	121 y	137 Ó	153 Ä	169 g	185 ↡	201 Ø	217 ▌
042 *	058 :	074 J	090 Z	106 j	122 z	138 o	154 å	170 g	186 ↟	202 ÿ	218 \
043 +	059 ;	075 K	091 [	107 k	123 {	139 ô	155 â	171 v	187 ↡	203 Ã	219 X
044 ,	060 <	076 L	092 ¥	108 l	124 |	140 ò	156 à	172 v	188 ¶	204 ¢	220 ®
045 -	061 =	077 M	093]	109 m	125 }	141 ó	157 á	173 w	189 ½	205 ã	221 ©
046 .	062 >	078 N	094 ^	110 n	126 →	142 õ	158 ä	174 ɯ	190 ⅓	206 Õ	222 ™
047 /	063 ?	079 O	095 _	111 o	127 ←	143 ¿	159 A	175 Æ	191 ¼	207 õ	223 ≡

Hebrew Keypad Letter Assignment

Key	Press key once	Press key twice	Press key three times
[1]	א	ב	ג
[2]	ד	ה	ו
[3]	ז	ח	ט
[4]	י	ך	כ
[5]	ל	ם	מ
[6]	ן	נ	ס
[7]	ע	ף	פ
[8]	ץ	צ	ק
[9]	ר	ש	ת

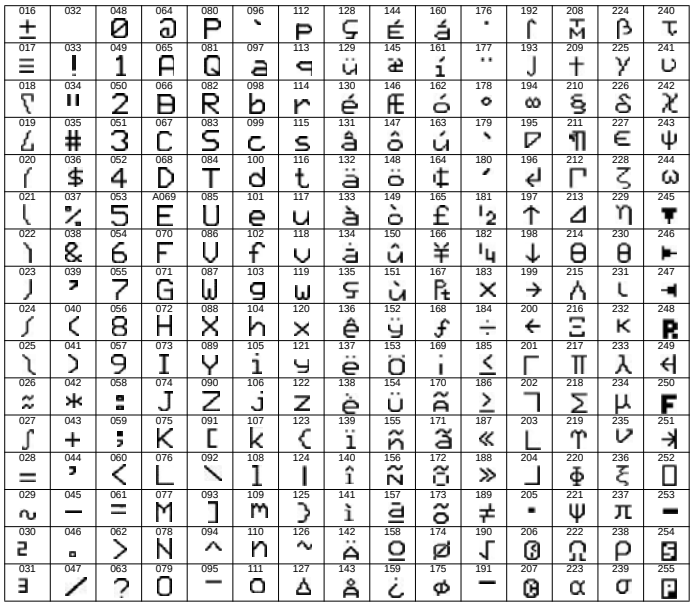
Hebrew Special Characters Catalogue

032	048 0	064 И	080 P	096 У	112 р	160 א	176 ב	192 ג	208 ד	224 ה	240 ו
033 !	049 1	065 A	081 Q	097 a	113 q	161 ב	177 ם	193 ד	209 ה	225 ו	241 ז
034 "	050 2	066 B	082 R	098 b	114 r	162 ג	178 ן	194 ה	210 ו	226 ז	242 ח
035 #	051 3	067 C	083 S	099 c	115 s	163 ד	179 ן	195 ו	211 ז	227 ח	243 ט
036 Φ	052 4	068 D	084 T	100 d	116 t	164 ה	180 פ	196 ז	212 ח	228 ט	244 י
037 %	053 5	069 E	085 U	101 e	117 u	165 ו	181 ץ	197 ח	213 ט	229 י	245 ך
038 &	054 6	070 F	086 V	102 f	118 v	166 ז	182 צ	198 ח	214 י	230 ך	246 כ
039 '	055 7	071 G	087 W	103 g	119 w	167 ח	183 ק	199 ט	215 ך	231 כ	247 ל
040 (	056 8	072 H	088 X	104 h	120 x	168 ט	184 ר	200 י	216 כ	232 ל	248 מ
041)	057 9	073 I	089 Y	105 i	121 y	169 י	185 ש	201 ך	217 ל	233 מ	249 ן
042 *	058 :	074 J	090 Z	106 j	122 z	170 ך	186 ת	202 כ	218 מ	234 ן	250 נ
043 +	059 Γ	075 K	091 Ш	107 k	123 И	171 כ	187 ל	203 ל	219 ן	235 נ	251 ס
044 '	060 <	076 L	092 П	108 l	124 ь	172 ל	188 ם	204 מ	220 נ	236 ס	252 ע
045 -	061 =	077 M	093 Ж	109 m	125 ы	173 □	189 מ	205 ן	221 ס	237 ע	253 פ
046 .	062 >	078 N	094 ^	110 n	126 →	174 ת	190 ן	206 נ	222 ע	238 פ	254 ף
047 /	063 Д	079 O	095 Ш	111 o	127 ←	175 ך	191 ף	207 ך	223 פ	239 ף	255 ■

Greek Keypad Letter Assignment

Key	Press key once	Press key twice	Press key three times
[1]	A	B	Γ
[2]	Δ	E	Z
[3]	H	Θ	I
[4]	K	Λ	M
[5]	N	Ξ	O
[6]	Π	P	Σ
[7]	T	Y	Φ
[8]	X	Ψ	Ω

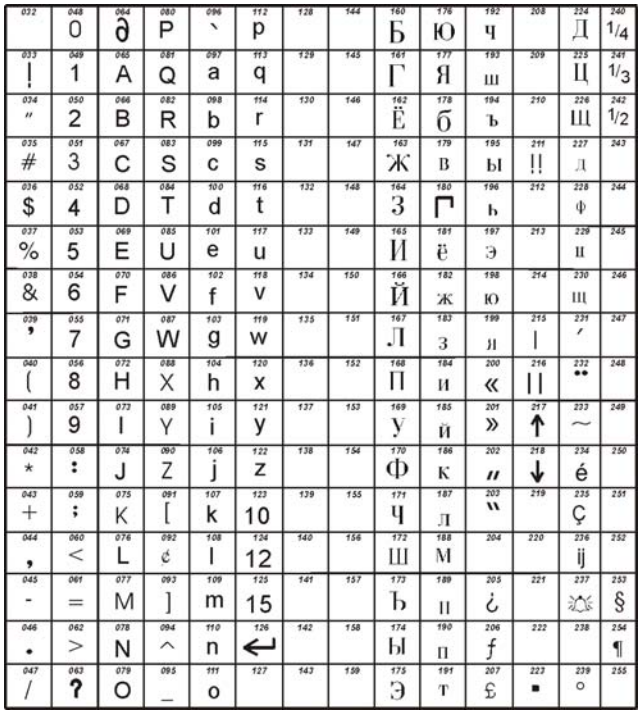
Greek Special Characters Catalogue



Russian Keypad Letter Assignment

Key	Press key once	Press key twice	Press key three times	Press key four times
[1]	А	Б	В	Г
[2]	Д	Е	Ё	Ж
[3]	З	И	Й	К
[4]	Л	М	Н	О
[5]	П	Р	С	Т
[6]	У	Ф	Х	Ц
[7]	Ч	Ш	Щ	Ъ
[8]	Ы	Ь	Э	Ю
[9]	Я			

Russian Special Characters Catalogue



User Programming

Refer to the **Installer Quick Menu** on page 69 for installer or maintenance code programming.
Refer to the **Master Quick Menu** in the User Guide for user code/remote control programming.

System Codes

[701] Access / Master Code Options

Option		OFF	ON
[1]	Access code length	☐ 6 digits	☐ **4 digits**
[2]	Lock master code	☐ **Disabled**	☐ Enabled

Section	Data	Description
[395]	____/____/____(147 to lock, other to unlock)	Installer Code Lock (default 000)
[397]	____/____/____/____/____/____	Installer Code (default = 000000)*
[398]	____/____/____/____/____/____	Maintenance Code (no default)
[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

The Maintenance Code cannot access the following sections:

[395]	Installer code lock	**[817]**	Backup monitoring station telephone
[397]	Installer code	**[910]**	Panel ID
[398]	Maintenance code	**[911]**	PC password
[815]	Monitoring station telephone number 1	**[970]**	Download memory key into panel
[816]	Monitoring station telephone number 2	**[975]**	Upload panel into the memory key

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			

***NOTE:** 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 Labels

[965] Reset User Labels

Option		OFF	
[2]	Reset user labels	☐ Disabled	☐ **Enabled**

Section	User	Label	Section	User	Label
[511]	1	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[527]**	17	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[512]	2	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[528]**	18	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[513]	3	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[529]**	19	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[514]	4	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[530]**	20	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[515]	5	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[531]**	21	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[516]	6	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[532]**	22	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[517]	7	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[533]**	23	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[518]	8	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[534]**	24	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[519]	9	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[535]**	25	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[520]	10	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[536]**	26	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[521]	11	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[537]**	27	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[522]	12	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[538]**	28	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[523]	13	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[539]**	29	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[524]	14	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[540]**	30	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[525]	15	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[541]**	31	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[526]	16	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__	**[542]**	32	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

NOTE: *For label character tables, see LCD Keypad Labels (K32LCD)* on page 50.

User Report Codes (Default = FF)

[966] Clear User Report Codes

Option		OFF	ON
[2]	Clear user report codes*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

[967] Reset User Report Codes

Option		OFF	ON
[2]	Reset user report codes to default*	☐ Disabled	☐ **Enabled**

* Ensure all other options are deselected. Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

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:	____/____	____/____

NOTE: *For reporting code format instructions, see page 36.*

Remote Control Button Assignment

REM1 REM2 RAC1 RAC2				
Default data*:	1	B	C	disabled

* Buttons are programmed using the Button Options Table below.

REM3	PGM1 [9]	PGM2 [0]	PGM3 [x]	PGM4 [✓]	PGM5 [●]	PGM6 [●]	PGM3&4 [x] + [✓]	PGM5&6 [●] + [●]
Default data*:	B	C	D	E	5	6	disabled	disabled

[610]	**All RCs**	_____	_____	_____	_____	_____	_____	_____	_____
	RC#	***IMPORTANT:*** When section **[610]** is accessed, the panel will copy the saved value of that section to all remotes.							
[611]	**1**	_____	_____	_____	_____	_____	_____	_____	_____
[612]	**2**	_____	_____	_____	_____	_____	_____	_____	_____
[613]	**3**	_____	_____	_____	_____	_____	_____	_____	_____
[614]	**4**	_____	_____	_____	_____	_____	_____	_____	_____
[615]	**5**	_____	_____	_____	_____	_____	_____	_____	_____
[616]	**6**	_____	_____	_____	_____	_____	_____	_____	_____
[617]	**7**	_____	_____	_____	_____	_____	_____	_____	_____
[618]	**8**	_____	_____	_____	_____	_____	_____	_____	_____
[619]	**9**	_____	_____	_____	_____	_____	_____	_____	_____
[620]	**10**	_____	_____	_____	_____	_____	_____	_____	_____
[621]	**11**	_____	_____	_____	_____	_____	_____	_____	_____
[622]	**12**	_____	_____	_____	_____	_____	_____	_____	_____
[623]	**13**	_____	_____	_____	_____	_____	_____	_____	_____
[624]	**14**	_____	_____	_____	_____	_____	_____	_____	_____
[625]	**15**	_____	_____	_____	_____	_____	_____	_____	_____
[626]	**16**	_____	_____	_____	_____	_____	_____	_____	_____
[627]	**17**	_____	_____	_____	_____	_____	_____	_____	_____
[628]	**18**	_____	_____	_____	_____	_____	_____	_____	_____
[629]	**19**	_____	_____	_____	_____	_____	_____	_____	_____
[630]	**20**	_____	_____	_____	_____	_____	_____	_____	_____
[631]	**21**	_____	_____	_____	_____	_____	_____	_____	_____
[632]	**22**	_____	_____	_____	_____	_____	_____	_____	_____
[633]	**23**	_____	_____	_____	_____	_____	_____	_____	_____
[634]	**24**	_____	_____	_____	_____	_____	_____	_____	_____
[635]	**25**	_____	_____	_____	_____	_____	_____	_____	_____
[636]	**26**	_____	_____	_____	_____	_____	_____	_____	_____
[637]	**27**	_____	_____	_____	_____	_____	_____	_____	_____
[638]	**28**	_____	_____	_____	_____	_____	_____	_____	_____
[639]	**29**	_____	_____	_____	_____	_____	_____	_____	_____
[640]	**30**	_____	_____	_____	_____	_____	_____	_____	_____
[641]	**31**	_____	_____	_____	_____	_____	_____	_____	_____
[642]	**32**	_____	_____	_____	_____	_____	_____	_____	_____

Button Options Table (refer to Decimal and Hexadecimal Values on page 5)

[SLEEP] - Empty / Button disabled
[1] - Regular / Regular Force arming
[2] - Stay / Stay Force arming
[3] - N/A
[4] - Sleep / Sleep Force arming
[5] - PGM Activation (Event Group 22)*
[6] - PGM Activation (Event Group 23)*
[7] - Activate window mode (StayD)
[8] - Panic 1
[9] - Panic 2
[A] - Panic 3
[B] - PGM Activation (Event Group #8)*
[C] - PGM Activation (Event Group #9)*
[D] - PGM Activation (Event Group #10)*
[E] - PGM Activation (Event Group #11)*
[F] - Paramedic alarm

* See PGM Programming on page 28.

NOTE: *The disarm button (🔓) cannot be modified.*

Remote Controls Supported:

REM1 / REM2 / RAC1
RAC2 / REM3

[701] REM2 Version Number

Option		OFF	ON
[6]	REM2 version number	☐ REM2 V2.00	☐ **REM2 V2.01 or higher**

[704] Arming/Disarming Options

Option		OFF	ON
[4]	Bell squawk when arm/disarm with remote	☐ **Disabled**	☐ Enabled
[8]	No exit delay when arm with a remote	☐ **Disabled**	☐ Enabled

Remote Control (RC) User Assignment

To assign a remote:
While in the respective section, press a button on the designated remote.

To delete a remote control:
Enter [000000] in its respective section.

To view the serial number of a remote:
Refer to section **[960]** on page 4.

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

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

Code Entry for Action Keys (REM3)

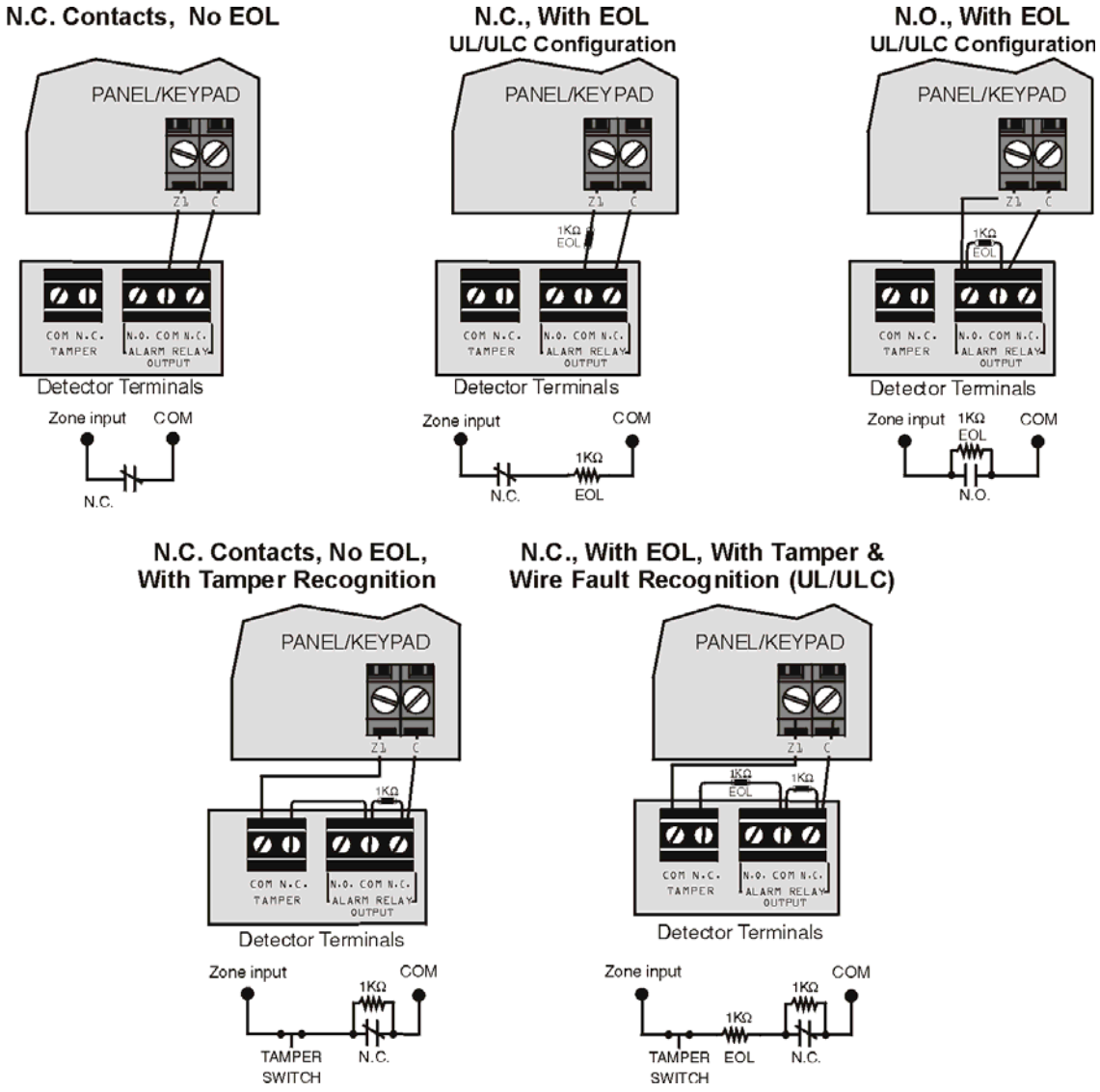
The six action keys (PGM1 to PGM6) and disarm keys (OFF) can be programmed to require a code entry for use.

Section		OFF	ON
[360]	[1] All odd-numbered REM3s	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] All odd-numbered REM3s	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] All even-numbered REM3s	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] All even-numbered REM3s	☐ **= Code entry disarm**	☐ = One-touch disarm
[361]	[1] REM3 #1	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #1	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #2	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #2	☐ **= Code entry disarm**	☐ = One-touch disarm
[362]	[1] REM3 #3	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #3	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #4	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #4	☐ **= Code entry disarm**	☐ = One-touch disarm
[363]	[1] REM3 #5	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #5	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #6	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #6	☐ **= Code entry disarm**	☐ = One-touch disarm
[364]	[1] REM3 #7	☐ **= Code entry**	☐ = One-touch PGM
	[2] REM3 #7	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #8	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #8	☐ **= Code entry disarm**	☐ = One-touch disarm
[365]	[1] REM3 #9	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #9	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #10	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #10	☐ **= Code entry disarm**	☐ = One-touch disarm
[366]	[1] REM3 #11	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #11	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #12	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #12	☐ **= Code entry disarm**	☐ = One-touch disarm
[367]	[1] REM3 #13	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #13	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #14	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #14	☐ **= Code entry disarm**	☐ = One-touch disarm
[368]	[1] REM3 #15	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #15	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #16	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #16	☐ **= Code entry disarm**	☐ = One-touch disarm
[369]	[1] REM3 #17	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #17	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #18	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #18	☐ **= Code entry disarm**	☐ = One-touch disarm
[370]	[1] REM3 #19	☐ **= Code entry for PGM**	☐ = One-touch PGM

Section		OFF	ON
	[2] REM3 #19	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #20	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #20	☐ **= Code entry disarm**	☐ = One-touch disarm
[371]	[1] REM3 #21	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #21	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #22	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #22	☐ **= Code entry disarm**	☐ = One-touch disarm
[372]	[1] REM3 #23	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #23	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #24	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #24	☐ **= Code entry disarm**	☐ = One-touch disarm
[373]	[1] REM3 #25	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #25	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #26	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #26	☐ **= Code entry disarm**	☐ = One-touch disarm
[374]	[1] REM3 #27	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #27	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #28	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #28	☐ **= Code entry disarm**	☐ = One-touch disarm
[375]	[1] REM3 #29	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #29	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #30	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #30	☐ **= Code entry disarm**	☐ = One-touch disarm
[376]	[1] REM3 #31	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[2] REM3 #31	☐ **= Code entry disarm**	☐ = One-touch disarm
	[3] & [4]	**N/A**	N/A
	[5] REM3 #32	☐ **= Code entry for PGM**	☐ = One-touch PGM
	[6] REM3 #32	☐ **= Code entry disarm**	☐ = One-touch disarm

Hardware Connections

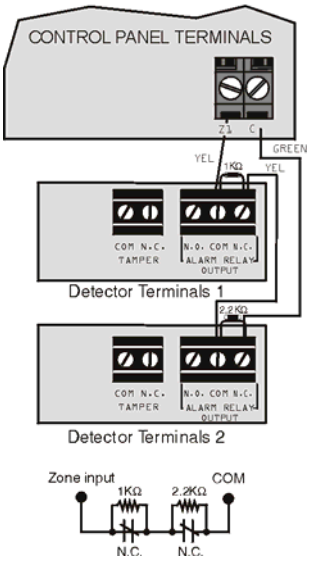
Single Zone Inputs



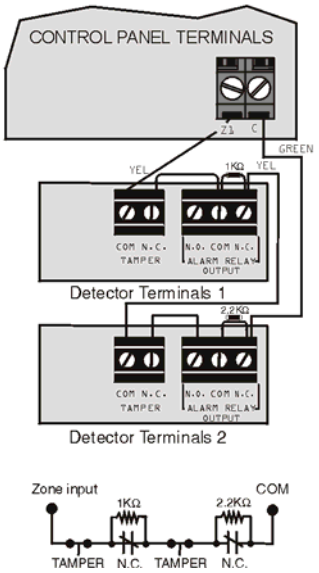
NOTE: *Keyswitches are connected as standard zones and will follow ATZ options programmed in section [705] options [1] and [2] on page 14.*

Advanced Technology Zone (ATZ) Connections

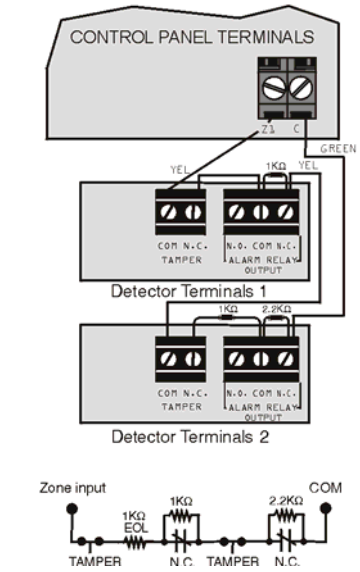
N.C. Contacts, No EOL



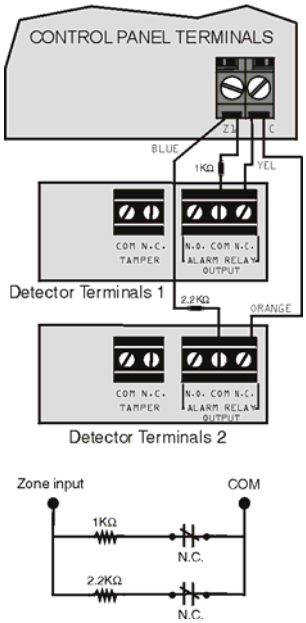
N.C. Contacts, No EOL, with Tamper Recognition



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

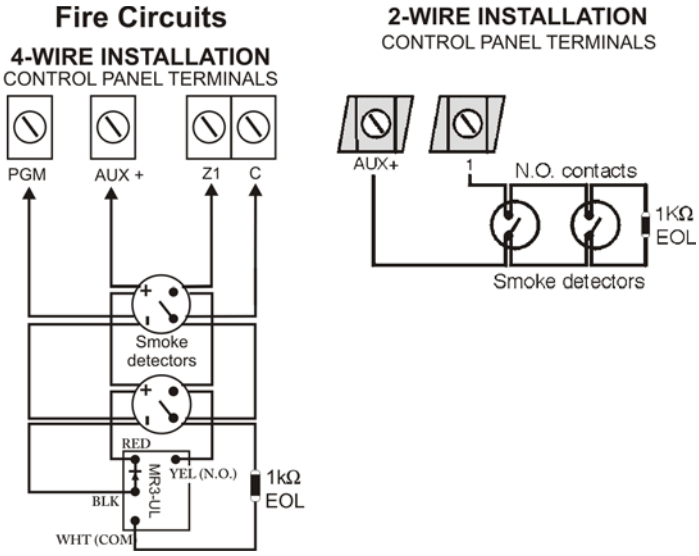


Parallel Wiring



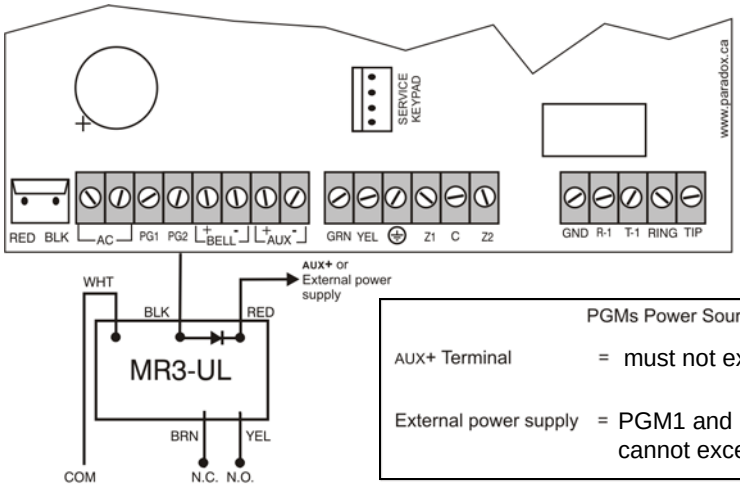
Connecting Fire Circuits

NOTE: *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 30. For 2-wire installation (except SP5500): Press [CLEAR] + [ENTER] to automatically reset smoke.*



It is recommended that the smoke detectors be connected in a daisy chain configuration. Each control panel (except the SP5500) supports a maximum of five 2-wire smoke detectors.

Alarm Relay and PGM Connections



PGMs Power Source	
AUX+ Terminal	= must not exceed 700mA.
External power supply	= PGM1 and PGM2 cannot exceed 100mA or cannot exceed the power supply's current limit.

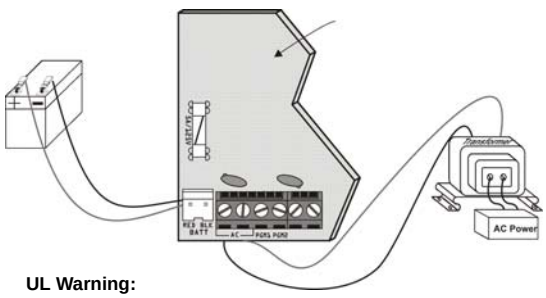
AC Power & Backup Battery Connections

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 [700] option [2])	350mA/700mA

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

Partial view of control panel

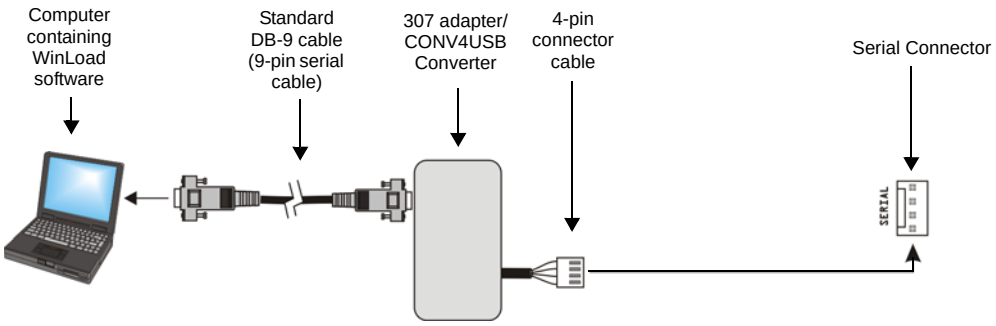


Improper connection of the transformer may result in damage to the system.

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

Caution:
Disconnect battery before replacing the fuse.

Connecting to WinLoad



Updating Firmware Using WinLoad

To update your system firmware:

1. Connect the product to your computer using a 307USB Direct Connect Interface or CV4USB 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.

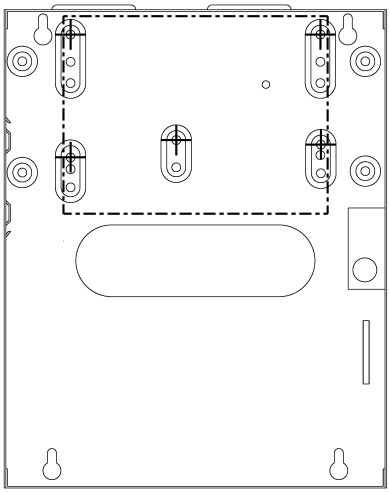
If the firmware programmer does not automatically detect your control panel, click the **Com port settings** button and select the correct Com port. Then click the **Refresh Product Info** button to connect with the panel.

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/.puf file from paradox.com, click the **[...]** button and select the location of the .pef file.
7. Click the **Update product firmware** button.
8. When the download process finishes, the update is complete.

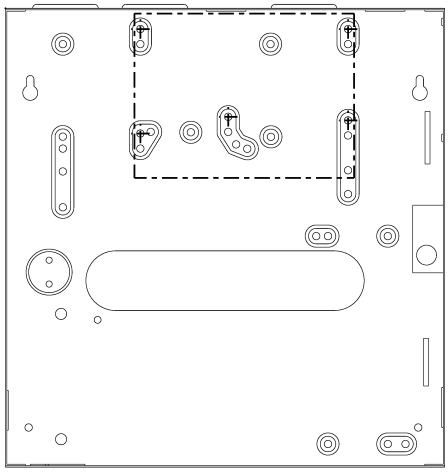
Metal Box Installation

The crosses and dotted line represent the mounting location. If you need specific dimensions, contact Paradox Distributor Support. For UL recommended installation for the MG5000 only, place the PCB one notch lower than the mounting location.

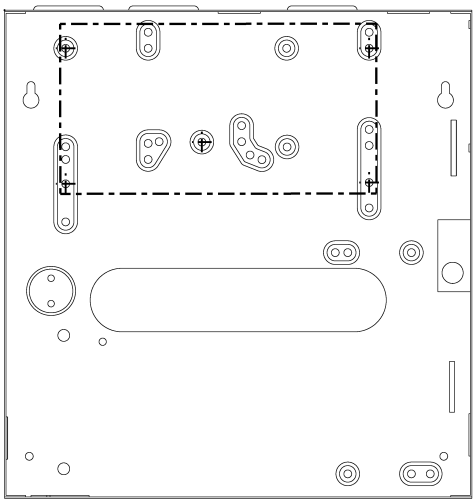
MG5000 (8x10”)



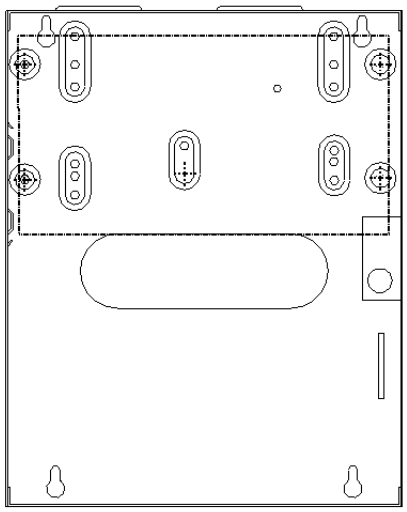
MG5000 (11x11”)



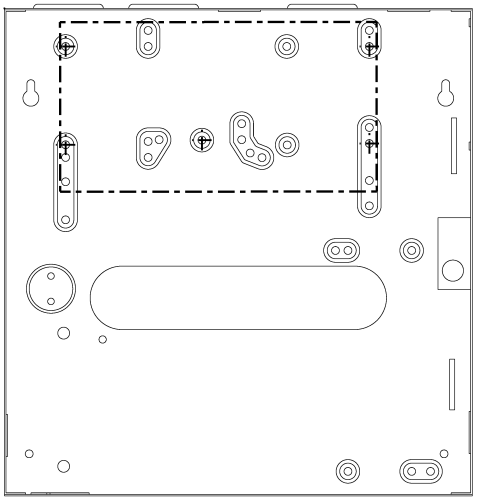
MG5050 (11x11”)



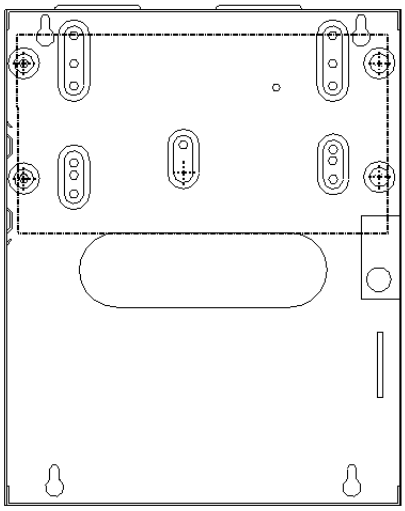
SP5500 (8x10”)



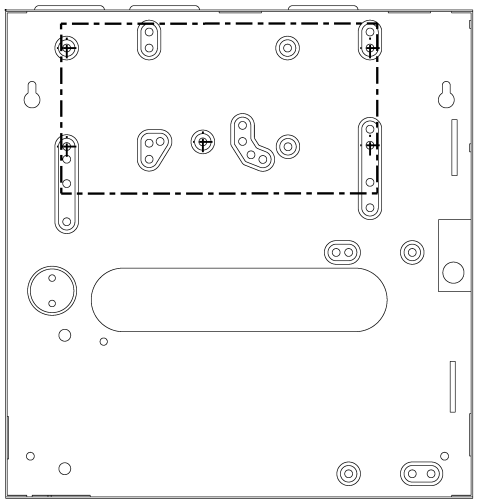
SP5500 (11x11”)



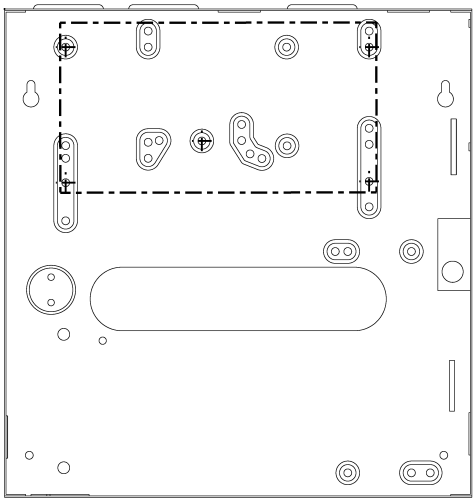
SP6000 (8x10”)



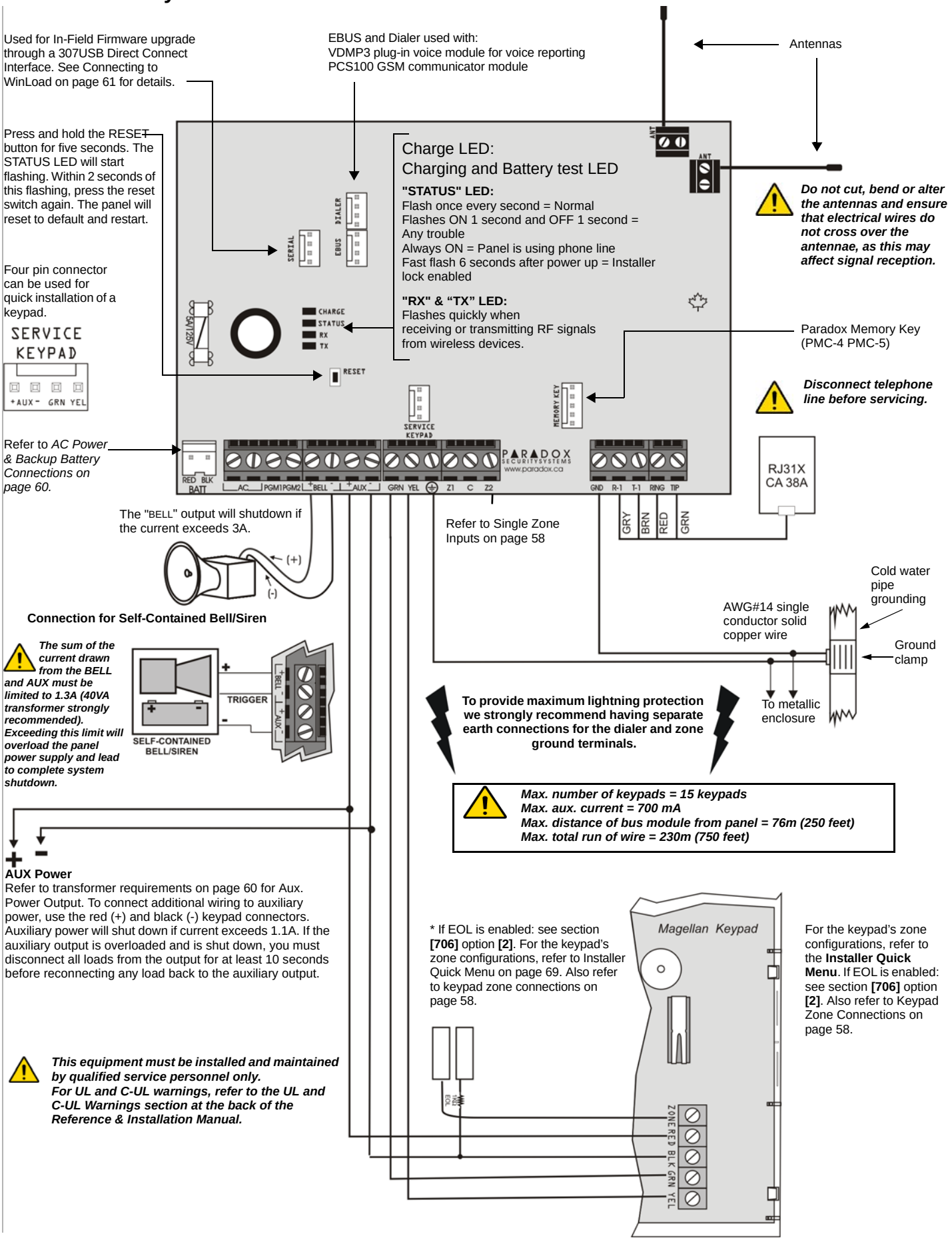
SP6000 (11x11”)



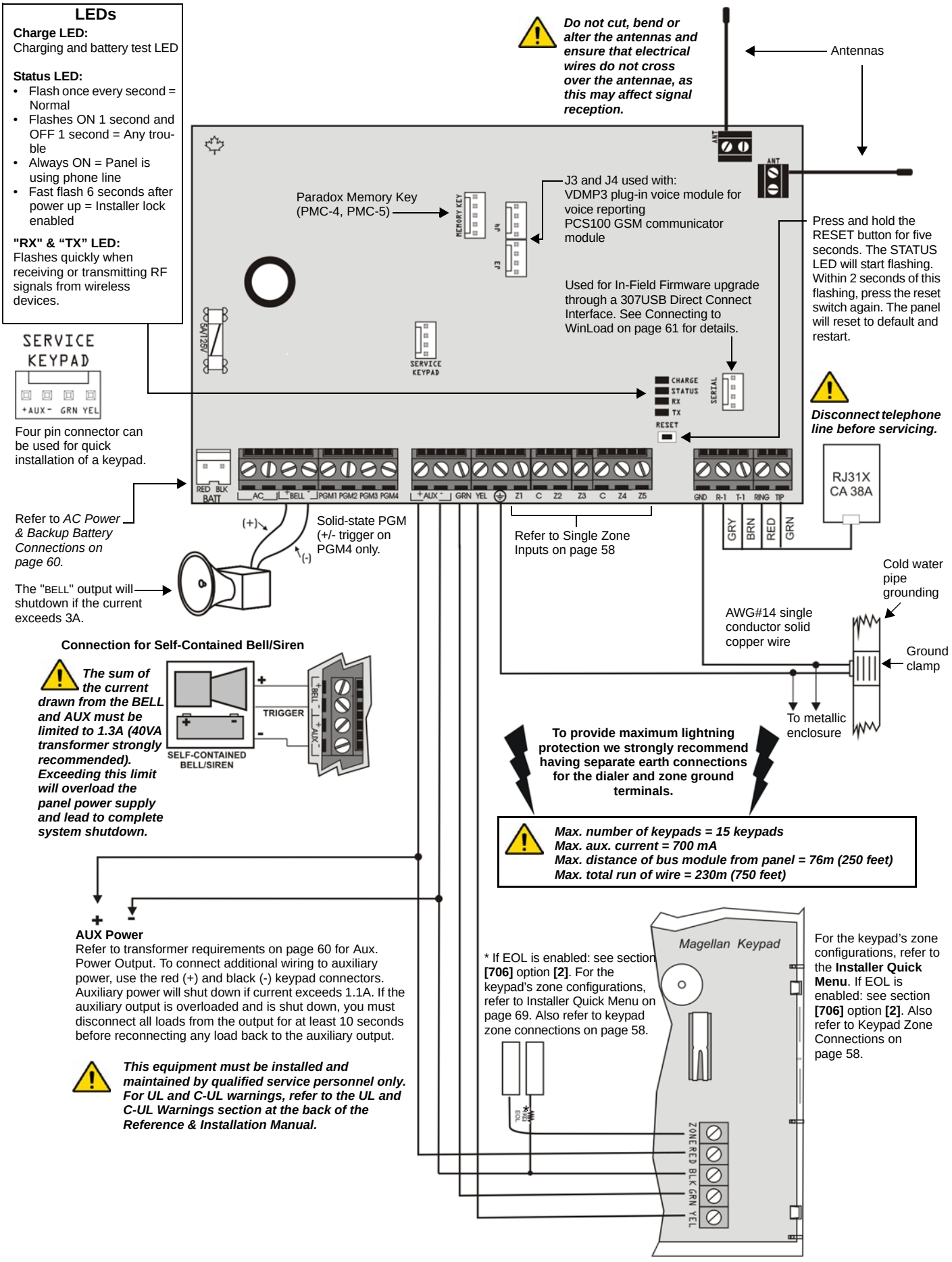
SP7000 (11x11”)



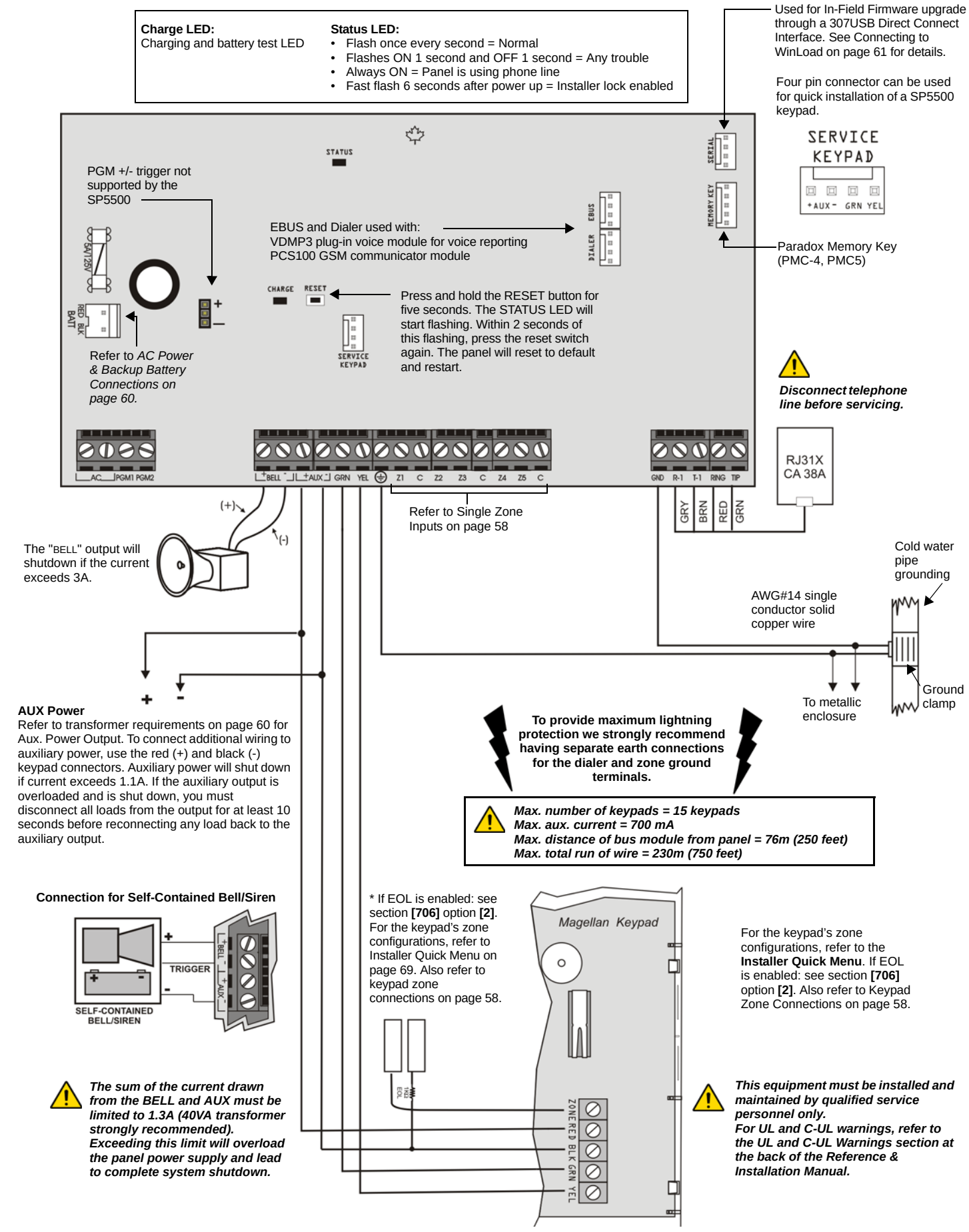
MG5000 PCB Layout



MG5050 PCB Layout



SP5500 PCB Layout



SP6000 PCB Layout

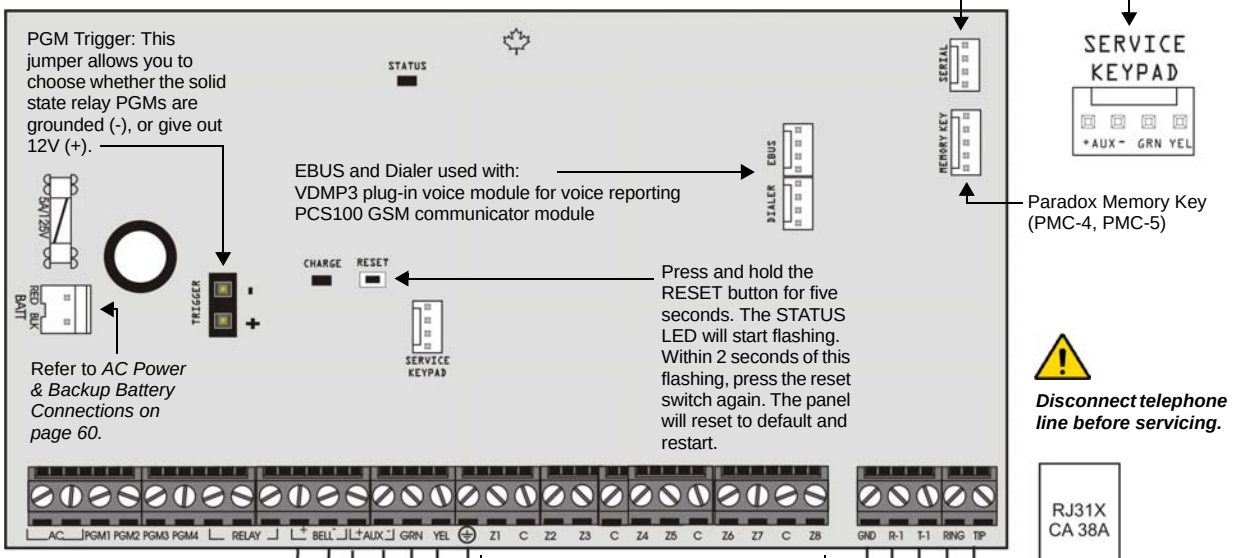
LEDs

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

Used for In-Field Firmware upgrade through a 307USB Direct Connect Interface. See Connecting to WinLoad on page 61 for details.

Four pin connector can be used for quick installation of a keypad.



Disconnect telephone line before servicing.

RJ31X
CA 38A

GRY BRN RED GRN

Refer to Single Zone Inputs on page 58

The "BELL" output will shutdown if the current exceeds 3A.

Cold water pipe grounding

AWG#14 single conductor solid copper wire

To metallic enclosure

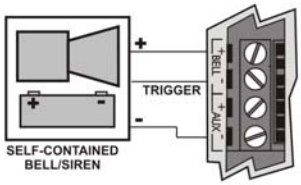
Ground clamp

AUX Power
Refer to transformer requirements on page 60 for Aux. Power Output. To connect additional wiring to auxiliary power, use the red (+) and black (-) keypad connectors. Auxiliary power will shut down if current exceeds 1.1A. If the auxiliary output is overloaded and is shut down, you must disconnect all loads from the output for at least 10 seconds before reconnecting any load back to the auxiliary output.

To provide maximum lightning protection we strongly recommend having separate earth connections for the dialer and zone ground terminals.

Max. number of keypads = 15 keypads
Max. aux. current = 700 mA
Max. distance of bus module from panel = 76m (250 feet)
Max. total run of wire = 230m (750 feet)

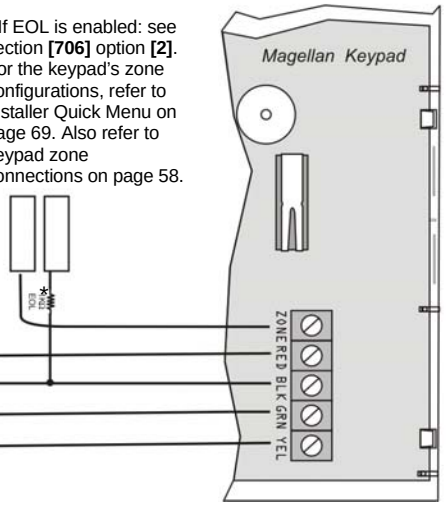
Connection for Self-Contained Bell/Siren



The sum of the current drawn from the BELL and AUX must be limited to 1.3A (40VA transformer strongly recommended). Exceeding this limit will overload the panel power supply and lead to complete system shutdown.

When using an SP6000 panel in conjunction with an RTX3, all K32 and K10V/H keypads must be versions 2.0 or higher.

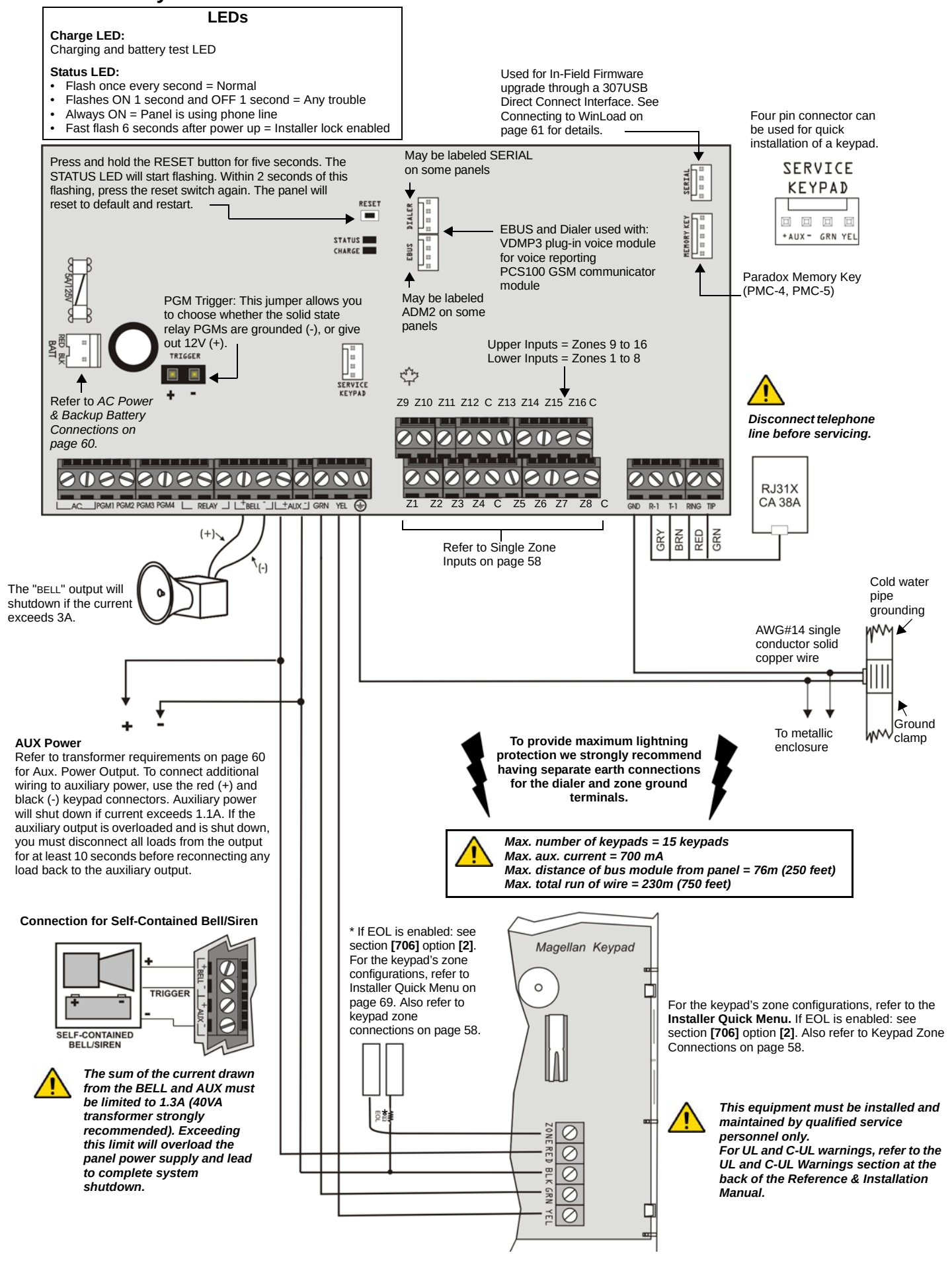
* If EOL is enabled: see section **[706]** option **[2]**. For the keypad's zone configurations, refer to Installer Quick Menu on page 69. Also refer to keypad zone connections on page 58.



For the keypad's zone configurations, refer to the **Installer Quick Menu**. If EOL is enabled: see section **[706]** option **[2]**. Also refer to Keypad Zone Connections on page 58.

This equipment must be installed and maintained by qualified service personnel only.
For UL and C-UL warnings, refer to the UL and C-UL Warnings section at the back of the Reference & Installation Manual.

SP7000 PCB Layout



Installer Quick Menu

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]**	2 digits: 01 to 32
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 page 12 for the zone type (zone definition).
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]***	K32 / K32LCD / K35 = 2 digits: 01 to 32 K636 / K10V/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	TBL	
3	**[1]** = Entry Delay 1 (default = 045 sec.) **[2]** = Entry Delay 2 (default = 045 sec.) **[3]** = Exit Delay (default = 060 sec.) **[4]** = Bell Cut-Off (default = 004 min.)	
4	**[000]** to **[255]**	Entry/Exit Delay = seconds / Bell Cut-Off = minutes

Time and Date

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

Installer and Maintenance Codes

Step	Action	Details
1	(⏻) + **[INSTALLER CODE]**	(⏻) = flash.
2	(TBL)	
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.
2	(TBL)	
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.
2	(MEM)	
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, however, it cannot modify the backup phone number.
2	(MEM)	
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	(MEM)	
3	**[9]**	Cancels all communication with WinLoad / GSM module.

PGMs

Step	Action	Details		
1	(⏻) + **[INSTALLER CODE]**	(⏻) = flash. **[MAINTENANCE CODE]** may also be used.		
2	(BYP)			
3	**[PGM NUMBER]**	2 digits: 01 to 16		
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.		

Index

Numerics

A

For technical support in Canada or the U.S., call 1-800-791-1919, Monday to Friday from 8:00 a.m. to 8:00 p.m. EST. For technical support outside Canada and the U.S., call 00-1-450-491-7444, Monday to Friday from 8:00 a.m. to 8:00 p.m. EST. Please feel free to visit our website at www.paradox.com

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

PARADOX®
SECURITY SYSTEMS

PARADOX.COM
Printed in Canada - 06/2009 MGSP-EP20