



# 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

**P** **▲** **R** **▲** **D** **O** **X**®  
S E C U R I T Y S Y S T E M S  
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](http://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 but 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

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More detailed information can be found in the *Reference & Installation Manual*, which can be downloaded from our website at [paradox.com](http://paradox.com).

## Conventions

<b>Default Settings:</b>	Options which are bold signify the default value: e.g. Access code length: <input type="checkbox"/> 6 digits <input checked="" type="checkbox"/> <b>4 digits</b> (4 digits is the default value)
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 Warning or important information	NOTE: Suggestion or reminder	 Quick Menu (see page 69)
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## 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 ( <b>Spectra SP only</b> )	1	Min. = 61mA / Max. = 143mA
PCS100	Paradox Communicator Module	1	Min. = 400mA / Max. = 1A

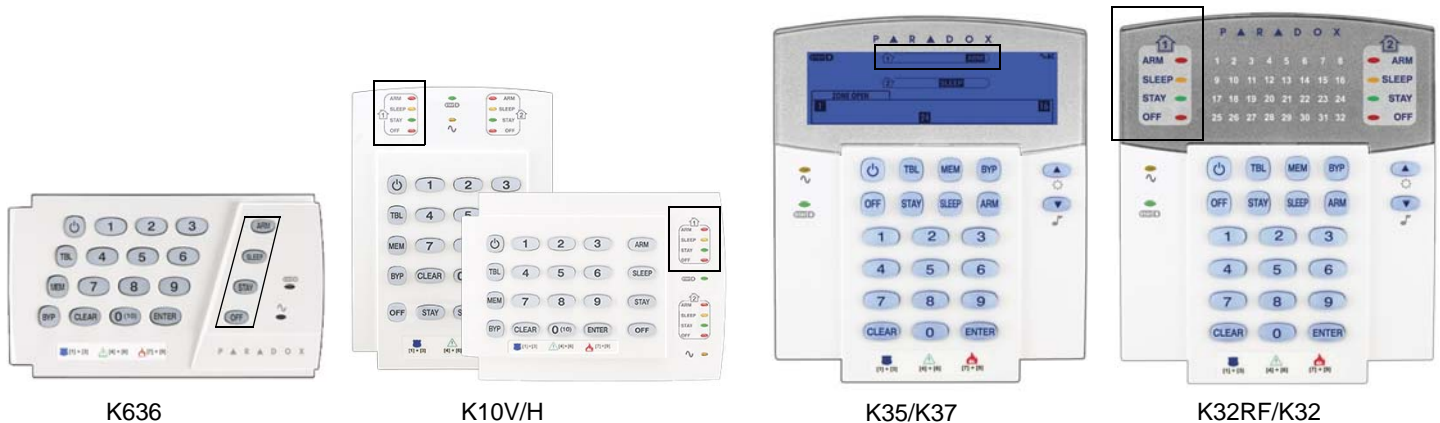
# Entering Programming Mode

 **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.



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 <b>[ENTER]</b> 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 <b>[ENTER]</b> 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 <u>except</u> 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 <u>except</u> 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 <b>panel version</b> , enter section <b>[980]</b> . -For <b>keypad version</b> , enter Installer Programming, then press and hold <b>[ARM]</b> .	The first digit is displayed (usually "0")	Digit 1 ⇨ <b>[ARM]</b> is illuminated
2	Press <b>[ENTER]</b>	The second digit is displayed	Digit 2 ⇨ <b>[SLEEP]</b> is illuminated
3	Press <b>[ENTER]</b>	The third digit is displayed	Digit 3 ⇨ <b>[STAY]</b> is illuminated
4	Press <b>[ENTER]</b>	The fourth digit is displayed	Digit 4 ⇨ <b>[OFF]</b> is illuminated

Example:      Version **01.42.**

                     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
Repeater 1	

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

Serial # Sticker	Description
Repeater 2	

[illegible]

# 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		
<b>Panel</b>	Zone 1:	Panel Input 1	<b>Panel</b>	Zone 1:	Panel Input 1A
	Zone 2:	Panel Input 2		Zone 2:	Panel Input 2A
<b>ZX8 Jumper Panel + 1</b>	Zone 3:	Input 1	<b>ZX8 Jumper Panel + 1</b>	Zone 3:	Panel Input 1B
	Zone 4:	Input 2		Zone 4:	Panel Input 2B
	Zone 5:	Input 3		Zone 5:	Input 1
	Zone 6:	Input 4		Zone 6:	Input 2
	Zone 7:	Input 5		Zone 7:	Input 3
	Zone 8:	Input 6		Zone 8:	Input 4
	Zone 9:	Input 7		Zone 9:	Input 5
	Zone 10:	Input 8		Zone 10:	Input 6
<b>ZX8 Jumper Panel + 9</b>	Zone 11:	Input 1	<b>ZX8 Jumper Panel + 9</b>	Zone 11:	Input 7
	Zone 12:	Input 2		Zone 12:	Input 8
	Zone 13:	Input 3		Zone 13:	Input 1
	Zone 14:	Input 4		Zone 14:	Input 2
	Zone 15:	Input 5		Zone 15:	Input 3
	Zone 16:	Input 6		Zone 16:	Input 4
	Zone 17:	Input 7		Zone 17:	Input 5
	Zone 18:	Input 8		Zone 18:	Input 6
<b>ZX8 Jumper Panel + 17</b>	Zone 19:	Input 1	<b>ZX8 Jumper Panel + 17</b>	Zone 19:	Input 7
	Zone 20:	Input 2		Zone 20:	Input 8
	Zone 21:	Input 3		Zone 21:	Input 1
	Zone 22:	Input 4		Zone 22:	Input 2
	Zone 23:	Input 5		Zone 23:	Input 3
	Zone 24:	Input 6		Zone 24:	Input 4
	Zone 25:	Input 7		Zone 25:	Input 5
	Zone 26:	Input 8		Zone 26:	Input 6
Zone 27: N/A	Zone 28: N/A		Zone 27: N/A	Zone 28: N/A	
	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		
<b>Panel</b>	Zone 1:	Panel Input 1	<b>Panel</b>	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
<b>ZX8 Jumper Panel + 1</b>	Zone 6:	Input 1	<b>ZX8 Jumper Panel + 1</b>	Zone 6:	Panel Input 1B
	Zone 7:	Input 2		Zone 7:	Panel Input 2B
	Zone 8:	Input 3		Zone 8:	Panel Input 3B
	Zone 9:	Input 4		Zone 9:	Panel Input 4B
	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		Zone 13:	Input 3
<b>ZX8 Jumper Panel + 9</b>	Zone 14:	Input 1	<b>ZX8 Jumper Panel + 9</b>	Zone 14:	Input 4
	Zone 15:	Input 2		Zone 15:	Input 5
	Zone 16:	Input 3		Zone 16:	Input 6
	Zone 17:	Input 4		Zone 17:	Input 7
	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		Zone 21:	Input 3
<b>ZX8 Jumper Panel + 17</b>	Zone 22:	Input 1	<b>ZX8 Jumper Panel + 17</b>	Zone 22:	Input 4
	Zone 23:	Input 2		Zone 23:	Input 5
	Zone 24:	Input 3		Zone 24:	Input 6
	Zone 25:	Input 4		Zone 25:	Input 7
	Zone 26:	Input 5		Zone 26:	Input 8
	Zone 27:	Input 6		Zone 27:	Input 1
	Zone 28:	Input 7		Zone 28:	Input 2
	Zone 29:	Input 8		Zone 29:	Input 3
Zone 30: N/A	Zone 31: N/A		Zone 30: N/A	Zone 31: N/A	
	Zone 32: N/A			Zone 32: N/A	

**NOTE:** If a zone is already programmed and you assign a device to the same zone, a wireless zone will overwrite a keypad/hardware zone, and a keypad zone will overwrite a hardware 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		
<b>Panel</b>	Zone 1:	Panel Input 1	<b>Panel</b>	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
<b>ZX8 Jumper Panel + 1</b>	Zone 6:	Input 1	<b>ZX8 Jumper Panel + 1</b>	Zone 6:	Panel Input 1B
	Zone 7:	Input 2		Zone 7:	Panel Input 2B
	Zone 8:	Input 3		Zone 8:	Panel Input 3B
	Zone 9:	Input 4		Zone 9:	Panel Input 4B
	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		Zone 13:	Input 3

SP6000 No ATZ			SP6000 ATZ		
<b>Panel</b>	Zone 1:	Panel Input 1	<b>Panel</b>	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
	Zone 8:	Panel Input 8		Zone 8:	Panel Input 8A
<b>ZX8 Jumper Panel + 1</b>	Zone 9:	Input 1	<b>ZX8 Jumper Panel + 1</b>	Zone 9:	Panel Input 1B
	Zone 10:	Input 2		Zone 10:	Panel Input 2B
	Zone 11:	Input 3		Zone 11:	Panel Input 3B
	Zone 12:	Input 4		Zone 12:	Panel Input 4B
	Zone 13:	Input 5		Zone 13:	Panel Input 5B

SP5500 No ATZ		SP5500 ATZ		SP6000 No ATZ		SP6000 ATZ	
<b>ZX8 Jumper Panel + 9</b>	Zone 14: Input 1	<b>Jumper Panel + 1</b>	Zone 14: Input 4	<b>ZX8 Jumper Panel + 9</b>	Zone 14: Input 6	<b>ZX8 Jumper Panel + 1</b>	Zone 14: Panel Input 6B
	Zone 15: Input 2		Zone 15: Input 5		Zone 15: Input 7		Zone 15: Panel Input 7B
	Zone 16: Input 3		Zone 16: Input 6		Zone 16: Input 8		Zone 16: Panel Input 8B
	Zone 17: Input 4		Zone 17: Input 7		Zone 17: Input 1		Zone 17: Input 1
	Zone 18: Input 5		Zone 18: Input 8		Zone 18: Input 2		Zone 18: Input 2
	Zone 19: Input 6		Zone 19: Input 1		Zone 19: Input 3		Zone 19: Input 3
	Zone 20: Input 7		Zone 20: Input 2		Zone 20: Input 4		Zone 20: Input 4
	Zone 21: Input 8		Zone 21: Input 3		Zone 21: Input 5		Zone 21: Input 5
<b>ZX8 Jumper Panel + 17</b>	Zone 22: Input 1	<b>Jumper Panel + 9</b>	Zone 22: Input 4	<b>ZX8 Jumper Panel + 17</b>	Zone 22: Input 6	<b>ZX8 Jumper Panel + 9</b>	Zone 22: Input 6
	Zone 23: Input 2		Zone 23: Input 5		Zone 23: Input 7		Zone 23: Input 7
	Zone 24: Input 3		Zone 24: Input 6		Zone 24: Input 8		Zone 24: Input 8
	Zone 25: Input 4		Zone 25: Input 7		Zone 25: Input 1		Zone 25: Input 1
	Zone 26: Input 5		Zone 26: Input 8		Zone 26: Input 2		Zone 26: Input 2
	Zone 27: Input 6		Zone 27: Input 1		Zone 27: Input 3		Zone 27: Input 3
	Zone 28: Input 7		Zone 28: Input 2		Zone 28: Input 4		Zone 28: Input 4
	Zone 29: Input 8		Zone 29: Input 3		Zone 29: Input 5		Zone 29: Input 5
Zone 30: N/A Zone 31: N/A Zone 32: N/A	<b>Panel + 17</b>	Zone 30: Input 4	Zone 30: Input 6	Zone 30: Input 6			
		Zone 31: Input 5	Zone 31: Input 7	Zone 31: Input 7			
		Zone 32: Input 6	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	
<b>Panel</b>	Zone 1: Panel Input 1	<b>Panel</b>	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
	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		Zone 16: Panel Input 16A
<b>ZX8 Jumper Panel + 1</b>	Zone 17: Input 1		Zone 17: Panel Input 1B
	Zone 18: Input 2		Zone 18: Panel Input 2B
	Zone 19: Input 3		Zone 19: Panel Input 3B
	Zone 20: Input 4		Zone 20: Panel Input 4B
	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
<b>ZX8 Jumper Panel + 9</b>	Zone 25: Input 1		Zone 25: Panel Input 9B
	Zone 26: Input 2		Zone 26: Panel Input 10B
	Zone 27: Input 3		Zone 27: Panel Input 11B
	Zone 28: Input 4		Zone 28: Panel Input 12B
	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	<b>[ENTER] + [INSTALLER CODE]</b> (default: 0000 / 000000)	<b>[ARM] + [STAY]</b> = flash. <b>[MAINTENANCE CODE]</b> may also be used.
2	Enter 3-digit zone you wish to program <b>[001]</b> to <b>[032]</b>	<b>[ARM] + [STAY]</b> = on (see page 13)
3	Enter a 2-digit zone definition	2 digits: 01 to 32 (see Table 1 below)
4	Assign Partition <b>[1]</b> , <b>[2]</b> or <b>[3]</b>	By default, all zones are assigned to partition 1. (see Table 2)
5	Select or deselect zone options using buttons <b>[1]</b> to <b>[8]</b>	For zone options, see Table 3. For keyswitch options, see Table 4.
6	To save and proceed to the next zone, press <b>[ENTER]</b>	

Table 1: Zone Definitions

Zone Definitions	Stay Arm	Sleep Arm	Fully Arm	Zone Definitions
<b>00 = Zone Disabled (default)</b>	-	-	-	<b>11 = Instant Fire†</b>
<b>01 = Entry Delay 1</b>	Entry Delay 1	Entry Delay 1	Entry Delay 1	<b>12 = Delayed Fire†</b>
<b>02 = Entry Delay 2</b>	Entry Delay 2	Entry Delay 2	Entry Delay 2	<b>13 = Instant Fire Silent†</b>
<b>03 = Entry Delay 1 (Full Arm)</b>	Not Armed	Not Armed	Entry Delay 1	<b>14 = Delayed Fire Silent†</b>
<b>04 = Entry Delay2 (Full Arm)</b>	Not Armed	Not Armed	Entry Delay 2	<b>15 = 24Hr. Buzzer</b>
<b>05 = Follow</b>	Follow*	Follow*	Follow	<b>16 = 24Hr. Burglary</b>
<b>06 = Follow (Sleep/Full Arm)</b>	Not Armed	Follow*	Follow	<b>17 = 24Hr. Hold-up</b>
<b>07 = Follow (Full Arm)</b>	Not Armed	Not Armed	Follow	<b>18 = 24Hr. Gas</b>
<b>08 = Instant</b>	Instant*	Instant*	Instant	<b>19 = 24Hr. Heat</b>
<b>09 = Instant (Sleep/Full Arm)</b>	Not Armed	Instant*	Instant	<b>20 = 24Hr. Water</b>
<b>10 = Instant (Full Arm)</b>	Not Armed	Not Armed	Instant	<b>21 = 24Hr. Freeze</b>
<b>33 = Instant No Pre-Alarm (Stay/Sleep)</b>	Instant No Pre-Alarm	Instant No Pre-Alarm	Not Armed	<b>22 = 24hr. Panic††</b>
<b>34 = Instant No Pre-Alarm (Sleep)</b>	Not Armed	Instant No Pre-Alarm	Not Armed	<b>23 = Follow No Pre-Alarm</b>
<b>35 = Entry Delay 1 (Stay/Full) / Instant</b>	Entry Delay 1	Instant No Pre-Alarm	Entry Delay 1	<b>24 = Instant No Pre-Alarm</b>
<b>36 = Entry Delay 1 (Full Arm) / Instant</b>	Instant No Pre-Alarm	Instant No Pre-Alarm	Entry Delay 1	<b>25 = Keyswitch Maintain**</b>
<p>* Flex-Instant = Zone will follow the delay at section [720], (default is 15 seconds / 0 = instant zone)</p> <p>** On-board hardwire control panel zones only</p> <p>† ZX8 inputs do not support fire zones.</p> <p>For 2-wire smoke installations (not supported by SP5500), these definitions apply to Zone 1 Input only. Section [706], option [3] must be enabled.</p> <p>For 4-wire smoke installations, use any panel on-board zone input.</p> <p>†† This alarm will follow the Panic 1 option (section [702], option [1])</p>				<b>26 = Keyswitch Momentary**</b>

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

Table 2: Partition Assignment

<p><b>[1]- Partition 1†</b>  <b>[2]- Partition 2†</b>  <b>[3]- Both partitions†</b></p> <p>† When using a K636 keypad, only partition 1 is available.</p>
---

Table 3: Zone Options

<p><b>[1] = Auto-zone Shutdown</b>  <b>[2] = Bypassable Zone</b>  <b>[3] = RF Zone Supervision</b></p> <p><b>[4] [5]</b>  <b>OFF OFF Audible Alarm</b>  OFF ON Pulsed Alarm  ON OFF Silent Alarm  ON ON Report Only  <b>[6] = Intellizone</b>  <b>[7] = Delay alarm transmission</b>  <b>[8] = Force Zone</b></p>
---

Table 4: Keyswitch Options

<p><b>[1]- N/A</b>  <b>[2]- N/A</b>  <b>[3]- N/A</b>  <b>[4] OFF = Disarm</b>  ON = Disarm only if Stay/Sleep armed  <b>[5] = Arm only</b>  <b>[6] = Stay arming‡</b>  <b>[7] = Sleep arming‡</b>  <b>[8] = N/A</b></p> <p>‡ Select only one. If all are off, key-switch will regular arm.</p>
--

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	<input type="checkbox"/> 24 hours	<input type="checkbox"/> 80 minutes
[2] EOL resistors	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[3] Zone Input 1 becomes a 2-wire smoke input (except SP5500)	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4] ZX8 ID A (Panel + 1) Input 1	<input type="checkbox"/> Zone input	<input type="checkbox"/> Tamper input
[5] ZX8 ID B (Panel + 9) Input 1	<input type="checkbox"/> Zone input	<input type="checkbox"/> Tamper input
[6] ZX8 ID C (Panel + 17) Input 1	<input type="checkbox"/> Zone input	<input type="checkbox"/> 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*	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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*	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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	Section	Alarm	Alarm Restore	Tamper	Tamper Restore
[141] Zone 1:	___/___	___/___	___/___	___/___	[157] Zone 17:	___/___	___/___	___/___	___/___
[142] Zone 2:	___/___	___/___	___/___	___/___	[158] Zone 18:	___/___	___/___	___/___	___/___
[143] Zone 3:	___/___	___/___	___/___	___/___	[159] Zone 19:	___/___	___/___	___/___	___/___
[144] Zone 4:	___/___	___/___	___/___	___/___	[160] Zone 20:	___/___	___/___	___/___	___/___
[145] Zone 5:	___/___	___/___	___/___	___/___	[161] Zone 21:	___/___	___/___	___/___	___/___
[146] Zone 6:	___/___	___/___	___/___	___/___	[162] Zone 22:	___/___	___/___	___/___	___/___
[147] Zone 7:	___/___	___/___	___/___	___/___	[163] Zone 23:	___/___	___/___	___/___	___/___
[148] Zone 8:	___/___	___/___	___/___	___/___	[164] Zone 24:	___/___	___/___	___/___	___/___
[149] Zone 9:	___/___	___/___	___/___	___/___	[165] Zone 25:	___/___	___/___	___/___	___/___
[150] Zone 10:	___/___	___/___	___/___	___/___	[166] Zone 26:	___/___	___/___	___/___	___/___
[151] Zone 11:	___/___	___/___	___/___	___/___	[167] Zone 27:	___/___	___/___	___/___	___/___
[152] Zone 12:	___/___	___/___	___/___	___/___	[168] Zone 28:	___/___	___/___	___/___	___/___
[153] Zone 13:	___/___	___/___	___/___	___/___	[169] Zone 29:	___/___	___/___	___/___	___/___
[154] Zone 14:	___/___	___/___	___/___	___/___	[170] Zone 30:	___/___	___/___	___/___	___/___
[155] Zone 15:	___/___	___/___	___/___	___/___	[171] Zone 31:	___/___	___/___	___/___	___/___
[156] Zone 16:	___/___	___/___	___/___	___/___	[172] Zone 32:	___/___	___/___	___/___	___/___

# Keypad Programming

## Keypad Zone Number Assignment

Step	Action	Details
1	<b>[ENTER] + [INSTALLER CODE]</b> (default: 0000 / 000000)	[ARM] + [STAY] = flash. <b>[MAINTENANCE CODE]</b> may also be used.
2	Press and hold  (3sec)	[ARM] + [STAY] = on
3	<b>[ZONE NUMBER] + [ENTER]*</b>	K35 / K32 / K32LCD = 2 digits: 01 to 32 K636 / K10V/H = 1 digit: 1 to 0(10) * To erase a keypad zone number, press <b>[CLEAR]</b> , then <b>[ENTER]</b> . 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	<b>[ENTER] + [INSTALLER CODE]</b> (default: 0000 / 000000)	[ARM] + [STAY] = flash.
2	Press and hold <b>[OFF]</b> (3sec)	[ARM] + [STAY] = on
3	<b>[ZONE NUMBER]*</b>	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	<b>[ENTER]</b>	Press <b>[ENTER]</b> to save and exit

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

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

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

### [701] Keypad Options

Option	OFF	ON
<b>[3]</b> Confidential mode	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
<b>[4]</b> To exit confidential mode	<input type="checkbox"/> Enter a code	<input type="checkbox"/> Press a key
<b>[5]</b> Confidential mode timer	<input type="checkbox"/> 2 minutes	<input type="checkbox"/> 5 seconds
<b>[7]</b> Display entry delay on LCD keypad (K32LCD)	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
<b>[8]</b> Display exit delay on LCD keypad (K32LCD)	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled

### [703] Keypad Options

Option	OFF	ON
<b>[1]</b> One-touch regular arming	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
<b>[2]</b> One-touch stay arming	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
<b>[3]</b> One-touch sleep arming	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
<b>[4]</b> One-touch bypass programming	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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)	<input type="checkbox"/> 350mA	<input type="checkbox"/> 700mA
[3] Audible trouble warning (except AC failure)	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4] Audible trouble warning on AC failure	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[6] Exit delay termination	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[7] Tamper supervision on the bus module	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled

### [702] Panic Options

Option	OFF	ON
[1] Panic 1	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[2] Panic 2	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[3] Panic 3	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4] Panic 1: Report only or audible alarm	<input type="checkbox"/> Report only	<input type="checkbox"/> Audible
[5] Panic 2: Report only or audible alarm	<input type="checkbox"/> Report only	<input type="checkbox"/> Audible
[6] Panic 3: Report only or audible alarm	<input type="checkbox"/> Report only	<input type="checkbox"/> Audible

### [703] Arming/Disarming Options

Option	OFF	ON
[5] Restrict arming on battery failure	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[6] Restrict arming on tamper failure (Zone + Bus Module + Wireless PGM)	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[7] Restrict arming on wireless supervision trouble (Zone + Bus Module + Wireless PGM)	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled

### [704] Arming/Disarming Options

Option	OFF	ON
[1] Regular arming switches to force arming	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[2] Stay arming switches to stay force arming	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[3] Sleep arming switches to sleep force arming	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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	<input type="checkbox"/> Disabled <input type="checkbox"/> 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
	<b>18 = USA, Canada (New Daylight Saving Time for 2007)</b>
	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	<input type="checkbox"/> Always	<input type="checkbox"/> After alarm
[2]	Report zone restore	<input type="checkbox"/> Bell cutoff	<input type="checkbox"/> Zone closure

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).
[3] & [4]	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. <i>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.</i>
	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	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[2]	Call tel. #2 / monitoring rcvr. #2 for arm/disarm report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[3]	Call pager for arm/disarm report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4]	N/A	N/A	N/A
[5]	Call tel. #1 / monitoring rcvr. #1 for alarm/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[6]	Call tel. #2 / monitoring rcvr. #2 for alarm/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[7]	Call pager for alarm/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[2]	Call tel. #2 / monitoring rcvr. #2 for tamper/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[3]	Call pager for tamper/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4]	N/A	N/A	N/A
[5]	Call tel. #1 / monitoring rcvr. #1 for trouble/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[6]	Call tel. #2 / monitoring rcvr. #2 for trouble/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[7]	Call pager for trouble/restore report codes	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[8]	N/A	N/A	N/A

### Option

## WinLoad Options

100

[illegible]

## Section

## Communication Timers

22

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

**[703]** Arm/disarm with VDMP3

### Option

**[8]** Arm/disarm with VDMP3

OFF

☐ Disabled

**ON**

☐ Enabled

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

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

## [800] Dialer Options

## Option

**OFF**

☐ See Table

**ON**

☐ See Table

**[1] & [2]**

**[3]** Switch to pulse on 5<sup>th</sup> 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.

[illegible]

This option also applies to GSM 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

## 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*	<input checked="" type="checkbox"/> Dialer activated	<input type="checkbox"/> Dialer deactivated

\* This option also applies to landline communication.

[illegible]

\* 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

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

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

GSM No Service Trouble Feedback		
[5]	[6]	
OFF	OFF	Disabled
<b>OFF</b>	<b>ON</b>	<b>Trouble only</b>
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
<b>[855]</b>	___/___/___	(000 to 255) x 2 seconds GSM no service timer (default 016)
<b>[856]</b>	___/___/___	(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

### [866] 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

<b>[879]*</b>	___/___	PCS100 RF jam	<b>[884]*</b>	___/___	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

<b>[881]*</b>	___/___	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

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

[5] & [6]

##### OFF

[7] Use dialer reporting

☐ As IP/GPRS reporting backup

[8] Enable IP/GPRS reporting

☐ Disabled

##### ON

☐ In addition to IP/GPRS reporting

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

[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**

[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**  
**PGM Labels**

See Quick Menus on page 69

[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 #
<b>00 = Zone OK</b> <b>01 = Zone open</b>	01 to 32 = Zone number 99 = Any zone number
<b>02 = Partition status</b>	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
<b>03 = Bell status (Partition 1 only)</b>	00 = Bell OFF 01 = Bell ON 02 = Bell squawk arm 03 = Bell squawk disarm 99 = Any bell status event
<b>06 = Non-reportable event</b>	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
<b>08 = Button pressed on remote</b> (See button option "B" on page 54) <b>09 = Button pressed on remote</b> (See button option "C" on page 54) <b>10 = Button pressed on remote</b> (See button option "D" on page 54) <b>11 = Button pressed on remote</b> (See button option "E" on page 54)	01 to 32 = Remote control number 99 = Any remote control number

Event Group #	Sub-group #
<b>12 = Cold start wireless zone</b>	01 to 32 = Zone number 99 = Any zone number
<b>13 = Cold start wireless module (Partition 1 only)</b>	01 to 16 = Output number 17 to 18 = Wireless repeater 19 to 22 = Wireless keypad 99 = Any output number
<b>14 = Bypass programming</b> <b>15 = User code activated output (Partition 1 only)</b>	01 to 32 = User number 99 = Any user number
<b>16 = Wireless smoke maintenance signal</b> <b>17 = Delay zone alarm transmission</b> <b>18 = Zone signal strength weak 1 (Partition 1 only)</b> <b>19 = Zone signal strength weak 2 (Partition 1 only)</b> <b>20 = Zone signal strength weak 3 (Partition 1 only)</b> <b>21 = Zone signal strength weak 4 (Partition 1 only)</b>	01 to 32 = Zone number 99 = Any zone number
<b>22 = Button pressed on remote</b> (see button option "5")	01 to 32 = Remote control number
<b>23 = Button pressed on remote</b> (see button option "6")	99 = Any remote control number
<b>24 = Fire Delay started</b>	01 to 32 = Zone number 99 = Any zone number
<b>25 = N/A</b>	
<b>26 = Software Access (VDMP3, IP100, WinLoad)</b>	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
<b>27 = Bus module event</b>	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
<b>28 = StayD pass acknowledged</b>	01 to 32 = Zone number 99 = Any zone number
<b>29 = Arming with user</b>	01 to 32 = User number 99 = Any user number
<b>30 = Special arming</b>	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
<b>31 = Disarming with user</b> <b>32 = Disarming after alarm with user</b> <b>33 = Alarm cancelled with user</b>	01 to 32 = User number 99 = Any user number
<b>34 = Special disarming</b>	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 #
<b>35 = Zone bypassed</b> <b>36 = Zone in alarm</b> <b>37 = Fire alarm</b> <b>38 = Zone alarm restore</b> <b>39 = Fire alarm restore</b>	01 to 32 = Zone number 99 = Any zone number
<b>40 = Special alarm</b>	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
<b>41 = Zone shutdown</b> <b>42 = Zone tampered</b> <b>43 = Zone tamper restore</b>	01 to 32 = Zone number 99 = Any zone number
<b>44 = New trouble</b> <b>(Partition 1 only except sub-group 07 = both partitions)</b>	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
<b>45 = Trouble restored</b>	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 #
<b>46 = Bus / EBus / Wireless module new trouble (Partition 1 only)</b>	00 = Bus / EBus / Wireless module communication fault 01 = Tamper trouble 02 = Power fail 03 = Battery failure 99 = Any bus module new trouble event
<b>47 = Bus / EBus / Wireless module trouble restored (Partition 1 only)</b>	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
<b>48 = Special (Partition 1 only)</b>	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
<b>49 = Low battery on zone</b> <b>50 = Low battery on zone restore</b> <b>51 = Zone supervision trouble</b> <b>52 = Zone supervision restore</b>	01 to 32 = Zone number 99 = Any zone number
<b>53 = Wireless module supervision trouble (Partition 1 only)</b> <b>54 = Wireless module supervision restore (Partition 1 only)</b> <b>55 = Wireless module tamper trouble (Partition 1 only)</b> <b>56 = Wireless module tamper restore (Partition 1 only)</b>	01 to 16 = Output 17 to 18 = Wireless repeater 19 to 22 = Wireless keypad 27 to 30 = Wireless siren
<b>57 = Non-medical alarm (paramedic)</b>	01 to 32 = User number 99 = Any user number
<b>58 = Zone forced</b> <b>59 = Zone included</b>	01 to 32 = Zone number 99 = Any zone number
<b>64 = System Status*</b>	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

		PGM 1 [261]		PGM 2 [262]		PGM 3 [263]		PGM 4 [264]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec, On=Min)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	PGM State (Off=N.O., On=N.C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	PGM Supervision	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
[4]	PGM Activation Mode (Off=Steady, On=Pulse)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	PGM Pulse once every 30 seconds if armed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	PGM Pulse on any alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	PGM Pulse on any alarm (OFF= Partition 1, On= Partition 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

		PGM 5 [265]		PGM 6 [266]		PGM 7 [267]		PGM 8 [268]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec., On=Min.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	PGM State (Off=N.O., On= N.C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	PGM Supervision	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
[4]	PGM Activation Mode (Off=Steady, ON=Pulse)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	PGM Pulse once every 30 seconds if armed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	PGM Pulse on any alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	PGM Pulse on any alarm (OFF= Partition 1, On= Partition 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

		PGM 9 [269]		PGM 10 [270]		PGM 11 [271]		PGM 12 [272]	
Option		OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Base Time (Off=Sec, On=Min)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	PGM State (Off=N.O., On=N.C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	PGM Supervision	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
[4]	PGM Activation Mode (Off=Steady, On=Pulse)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	PGM Pulse once every 30 seconds if armed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	PGM Pulse on any alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	PGM Pulse on any alarm (OFF= Partition 1, On= Partition 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[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)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	PGM State (Off=N.O., On=N.C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	PGM Supervision	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
[4]	PGM Activation Mode (Off=Steady, On=Pulse)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	PGM Pulse once every 30 seconds if armed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	PGM Pulse on any alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	PGM Pulse on any alarm (OFF= Partition 1, On= Partition 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[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
<b>[321]</b> PGM 1 Wireless PGM Signal Strength	<b>[329]</b> PGM 9 Wireless PGM Signal Strength
<b>[322]</b> PGM 2 Wireless PGM Signal Strength	<b>[330]</b> PGM 10 Wireless PGM Signal Strength
<b>[323]</b> PGM 3 Wireless PGM Signal Strength	<b>[331]</b> PGM 11 Wireless PGM Signal Strength
<b>[324]</b> PGM 4 Wireless PGM Signal Strength	<b>[332]</b> PGM 12 Wireless PGM Signal Strength
<b>[325]</b> PGM 5 Wireless PGM Signal Strength	<b>[333]</b> PGM 13 Wireless PGM Signal Strength
<b>[326]</b> PGM 6 Wireless PGM Signal Strength	<b>[334]</b> PGM 14 Wireless PGM Signal Strength
<b>[327]</b> PGM 7 Wireless PGM Signal Strength	<b>[335]</b> PGM 15 Wireless PGM Signal Strength
<b>[328]</b> PGM 8 Wireless PGM Signal Strength	<b>[336]</b> PGM 16 Wireless PGM Signal Strength

<b>Signal Strength Indicator</b>	8 to 10 / 3 beeps = Best signal	5 to 7 / 2 beeps = Average signal	1 to 4 / 1 beep = Weak signal (Relocate)
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**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*	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4]	Clear trouble report codes*	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[5]	Clear system special report codes*	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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*	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4]	Reset trouble report codes to default*	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[5]	Reset system special report codes to default*	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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
<b>Medical Alarms - 100</b>		
100	Medical alarm	01
101	Pendant transmitter	02
102	Fail to report in	03
<b>Fire Alarms - 110</b>		
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
<b>Panic Alarms - 120</b>		
120	Panic Alarm	0D
121	Duress	0E
122	Silent	0F
123	Audible	10
124	Duress - Access grated	11
125	Duress - Egress granted	12
<b>Burglar Alarms - 130</b>		
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
<b>General Alarms - 140</b>		
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
<b>Fire Supervisory - 200 and 210</b>		
200	Fire supervisory	32
201	Low water pressure	33
202	Low CO <sub>2</sub>	34
203	Gate valve sensor	35
204	Low water level	36
205	Pump activated	37
206	Pump failure	38
<b>System Troubles - 300 and 310</b>		
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
<b>Sounder/Relay Troubles - 320</b>		
320	Sounder/relay	47
321	Bell 1	48
322	Bell 2	49
323	Alarm relay	4A
324	Trouble relay	4B

CID#	Reporting Code	Programming Value
327	Notification appliance chk. #4	4E
<b>System Peripheral Troubles - 330 and 340</b>		
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
<b>Communication Troubles - 350 and 360</b>		
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
<b>Protection Loop Troubles - 370</b>		
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
<b>Sensor Troubles - 380 and 390</b>		
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
<b>24-hour Non-burglary - 150 and 160</b>		
150	24-hour non-burglary	<b>25</b>
387	Intrusion detector Hi sensitivity	<b>75</b>
388	Intrusion detector Low sensitivity	<b>76</b>
389	Sensor self-test failure	<b>77</b>
391	Sensor watch trouble	<b>78</b>
392	Drift compensation error	<b>79</b>
393	Maintenance alert	<b>7A</b>
<b>Open/Close - 400</b>		
400	Open/Close	<b>7B</b>
401	Open/Close by user	<b>7C</b>
402	Group open/close	<b>7D</b>
403	Automatic open/close	<b>7E</b>
406	Cancel	<b>7F</b>
407	Remote arm/disarm	<b>80</b>
408	Quick arm	<b>81</b>
409	Keyswitch open/close	<b>82</b>
<b>Remote Access - 410</b>		
411	Call back request made	<b>83</b>
412	Success - download access	<b>84</b>
413	Unsuccessful access	<b>85</b>
414	System shutdown	<b>86</b>
415	Dialer shutdown	<b>87</b>
416	Successful upload	<b>88</b>
<b>Access Control - 420 and 430</b>		
421	Access denied	<b>89</b>
422	Access report by user	<b>8A</b>
423	Forced access	<b>8B</b>
424	Egress denied	<b>8C</b>
425	Egress granted	<b>8D</b>
426	Access door propped open	<b>8E</b>
427	Access point door status monitor trouble	<b>8F</b>
428	Access point request to exit	<b>90</b>
429	Access program mode entry	<b>91</b>
430	Access program mode exit	<b>92</b>
431	Access threat level change	<b>93</b>
432	Access relay/trigger fail	<b>94</b>

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

CID#	Reporting Code	Programming Value
385	Smoke detector Hi sensitivity	<b>73</b>
386	Smoke detector Low sensitivity	<b>74</b>
603	Periodic RF transmission	<b>BF</b>
604	Fire test	<b>C0</b>
605	Status report to follow	<b>C1</b>
606	Listen-in to follow	<b>C2</b>
607	Walk test mode	<b>C3</b>
608	Periodic test - system trouble present	<b>C4</b>
609	Video transmitter active	<b>C5</b>
611	Point test OK	<b>C6</b>
612	Point not tested	<b>C7</b>
613	Intrusion zone walk tested	<b>C8</b>
614	Fire zone walk tested	<b>C9</b>
615	Panic zone walk tested	<b>CA</b>
616	Service request	<b>CB</b>
621	Event log reset	<b>CC</b>
622	Event log 50% full	<b>CD</b>
623	Event log 90% full	<b>CE</b>
624	Event log overflow	<b>CF</b>
625	Time/Date reset	<b>D0</b>
626	Time/Date inaccurate	<b>D1</b>
627	Program mode entry	<b>D2</b>
628	Program mode exit	<b>D3</b>
629	32-hour event log marker	<b>D4</b>
630	Schedule change	<b>D5</b>
631	Exception schedule change	<b>D6</b>
632	Access schedule change	<b>D7</b>
654	System inactivity	<b>D8</b>



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
<b>[1]</b> Wireless zone low battery	<b>[1]</b> to <b>[32]</b> Zones in low battery
<b>[2]</b> Power trouble	<b>[1]</b> Low/No battery on the control panel <b>[2]</b> AC failure on control panel <b>[3]</b> Auxiliary overload on control panel <b>[4]</b> Wireless keypad AC failure <b>[5]</b> Wireless keypad battery failure <b>[6]</b> Wireless repeater AC failure <b>[7]</b> Wireless repeater battery failure <b>[8]</b> Wireless siren AC failure <b>[9]</b> Wireless siren battery failure
<b>[3]</b> Bell trouble	<b>[1]</b> Bell disconnect on control panel <b>[2]</b> Bell overload on control panel
<b>[4]</b> Communication trouble	<b>[1]</b> Telephone Line Monitoring on control panel <b>[2]</b> Fail to communicate on Monitoring Telephone 1 on control panel <b>[3]</b> Fail to communicate on Monitoring Telephone 2 on control panel <b>[5]</b> Fail to communicate on voice telephone on control panel <b>[6]</b> Fail to communicate with PC on control panel <b>[7]</b> Fail to communicate with IP receiver 1 or 2 (GPRS) <b>[8]</b> Fail to communicate with IP receiver 1 or 2 (IP) <b>[9]</b> GSM no service (GSM network failure) <b>[10]</b> IP Module No Service (network failure) <b>[STAY]</b> GSM RF jamming <b>[OFF]</b> IP Receiver Unregistered (IP/GPRS)
<b>[5]</b> Tamper and zone wiring failure	<b>[1]</b> to <b>[32]</b> Zones in tamper and zone wiring failure
<b>[6]</b> Module tamper trouble	<b>[1]</b> 2WPGM <b>[2]</b> Keypad bus <b>[3]</b> ZX8 bus module <b>[4]</b> RTX3 bus module <b>[5]</b> Wireless siren
<b>[7]</b> Fire loop trouble	<b>[1]</b> to <b>[32]</b> Zones in fire loop trouble
<b>[8]</b> Timer loss	
<b>[9]</b> Wireless zone supervision loss	<b>[1]</b> to <b>[32]</b> Zones in supervision lost <b>[STAY]</b> RF jamming trouble
<b>[0 (10)] or [10]</b> Module supervision loss	<b>[1]</b> 2WPGM <b>[2]</b> Keypad bus (Panel reset will not clear this trouble, clear it in section [955]) <b>[3]</b> ZX8 bus module <b>[4]</b> RTX3 bus module <b>[5]</b> Wireless keypad <b>[6]</b> Wireless repeater <b>[7]</b> N/A <b>[8]</b> VDMP3 <b>[9]</b> PCS100 (GPRS) <b>[10]</b> IP100 <b>[STAY]</b> Wireless siren
<b>[16]</b> Keypad fault (K32 / K32RF / K37 / K35 only)	
<b>[17]</b> Upgrade panel to V3.2 or higher (K37 only)	
<b>[SLEEP]</b> 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)
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**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

Option	Section:	RPT1 #1 [551]		RPT1 #2 [561]	
		OFF	ON	OFF	ON
[1] Repeat Wireless Keypad 1 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2] Repeat Wireless Keypad 2 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3] Repeat Wireless Keypad 3 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[4] Repeat Wireless Keypad 4 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5] Repeat Wireless Keypad 5 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6] Repeat Wireless Keypad 6 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7] Repeat Wireless Keypad 7 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8] Repeat Wireless Keypad 8 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Option	Section:	RPT1 #1 [552]		RPT1 #2 [562]	
		OFF	ON	OFF	ON
[1] Repeat Wireless Zone 1 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2] Repeat Wireless Zone 2 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3] Repeat Wireless Zone 3 Signals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		RPT1 #1 [552]		RPT1 #2 [562]	
Section:		OFF	ON	OFF	ON
Option					
[4]	Repeat Wireless Zone 4 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	Repeat Wireless Zone 5 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	Repeat Wireless Zone 6 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	Repeat Wireless Zone 7 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	Repeat Wireless Zone 8 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		RPT1 #1 [553]		RPT1 #2 [563]	
Section:		OFF	ON	OFF	ON
Option					
[1]	Repeat Wireless Zone 9 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	Repeat Wireless Zone 10 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	Repeat Wireless Zone 11 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[4]	Repeat Wireless Zone 12 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	Repeat Wireless Zone 13 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	Repeat Wireless Zone 14 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	Repeat Wireless Zone 15 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	Repeat Wireless Zone 16 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		RPT1 #1 [554]		RPT1 #2 [564]	
Section:		OFF	ON	OFF	ON
Option					
[1]	Repeat Wireless Zone 17 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	Repeat Wireless Zone 18 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	Repeat Wireless Zone 19 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[4]	Repeat Wireless Zone 20 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	Repeat Wireless Zone 21 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	Repeat Wireless Zone 22 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	Repeat Wireless Zone 23 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	Repeat Wireless Zone 24 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		RPT1 #1 [555]		RPT1 #2 [565]	
Section:		OFF	ON	OFF	ON
Option					
[1]	Repeat Wireless Zone 25 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	Repeat Wireless Zone 26 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	Repeat Wireless Zone 27 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[4]	Repeat Wireless Zone 28 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	Repeat Wireless Zone 29 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	Repeat Wireless Zone 30 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	Repeat Wireless Zone 31 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	Repeat Wireless Zone 32 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		RPT1 #1 [556]		RPT1 #2 [566]	
Section:		OFF	ON	OFF	ON
Option					
[1]	Repeat Wireless 2-Way PGM 1 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	Repeat Wireless 2-Way PGM 2 Signals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Option		Section:		RPT1 #1 [556]		RPT1 #2 [566]	
				OFF	ON	OFF	ON
[3]	Repeat Wireless 2-Way PGM 3 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[4]	Repeat Wireless 2-Way PGM 4 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	Repeat Wireless 2-Way PGM 5 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	Repeat Wireless 2-Way PGM 6 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	Repeat Wireless 2-Way PGM 7 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	Repeat Wireless 2-Way PGM 8 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Option		Section:		RPT1 #1 [557]		RPT1 #2 [567]	
				OFF	ON	OFF	ON
[1]	Repeat Wireless 2-Way PGM 9 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[2]	Repeat Wireless 2-Way PGM 10 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[3]	Repeat Wireless 2-Way PGM 11 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[4]	Repeat Wireless 2-Way PGM 12 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[5]	Repeat Wireless 2-Way PGM 13 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[6]	Repeat Wireless 2-Way PGM 14 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[7]	Repeat Wireless 2-Way PGM 15 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[8]	Repeat Wireless 2-Way PGM 16 Signals			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**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 [PWR] 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

<b>Signal Strength Indicator</b>	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

### Option

**OFF**

ON

[illegible]

## Wireless Siren Labels

### Option

**OFF**

**ON**

☐ Enabled

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

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

## Section

### Wireless Siren Serial Number

## Section

<b>[687]</b>	Wireless Siren 1 Signal Strength
<b>[688]</b>	Wireless Siren 2 Signal Strength
<b>[689]</b>	Wireless Siren 3 Signal Strength
<b>[690]</b>	Wireless Siren 4 Signal Strength

## Wireless Siren Options

### Option

**OFF**

☐ Disabled

☐ Disabled

☐ Disabled

☐ Disabled

**ON**

☐ Enabled

☐ Enabled

☐ Enabled

☐ Enabled

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

Polish	001 ż	002 ć	003 ą	004 ę	005 ź	006 ł	007 ś
Hungarian	001 Á	002 Ú	003 Ő				
Turkish	001 Ü						

### Special Character Catalogue

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

### 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	ל
[5]	מ	נ	ס
[6]	ע	פ	צ
[7]	ק	ר	ש
[8]	ת	י	י
[9]	ך	ש	ת

### Hebrew Special Characters Catalogue

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

## 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	Υ	Φ
[8]	X	Ψ	Ω

## Russian Keypad Letter Assignment

Key	Press key once	Press key twice	Press key three times	Press key four times
[1]	A	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			

## Greek Special Characters Catalogue

016	032	048	064	080	096	112	128	144	160	176	192	208	224	240
±		∅	∂	Ρ	`	ρ	ς	ε	ά	·	ι	π	β	τ
≡	033	049	065	081	097	113	129	145	161	177	193	209	225	241
	1	Γ	Q	α	α	α	α	α	ι	ι	ι	ι	ι	ι
018	034	050	066	082	098	114	130	146	162	178	194	210	226	242
∞	2	Β	R	β	β	β	β	β	ε	ε	ε	ε	ε	ε
019	035	051	067	083	099	115	131	147	163	179	195	211	227	243
∠	3	С	S	с	с	с	с	с	ο	ο	ο	ο	ο	ο
020	036	052	068	084	100	116	132	148	164	180	196	212	228	244
∫	4	D	T	d	d	d	d	d	φ	φ	φ	φ	φ	φ
021	037	053	069	085	101	117	133	149	165	181	197	213	229	245
∫	5	E	U	e	u	u	u	u	ψ	ψ	ψ	ψ	ψ	ψ
022	038	054	070	086	102	118	134	150	166	182	198	214	230	246
∫	6	F	U	f	u	u	u	u	χ	χ	χ	χ	χ	χ
023	039	055	071	087	103	119	135	151	167	183	199	215	231	247
∫	7	G	W	g	w	w	w	w	ξ	ξ	ξ	ξ	ξ	ξ
024	040	056	072	088	104	120	136	152	168	184	200	216	232	248
∫	8	H	X	h	x	x	x	x	η	η	η	η	η	η
025	041	057	073	089	105	121	137	153	169	185	201	217	233	249
∫	9	I	Y	i	y	y	y	y	θ	θ	θ	θ	θ	θ
026	042	058	074	090	106	122	138	154	170	186	202	218	234	250
∫	*	:	J	Z	j	z	z	z	ι	ι	ι	ι	ι	ι
027	043	059	075	091	107	123	139	155	171	187	203	219	235	251
∫	+	:	K	L	k	l	l	l	ο	ο	ο	ο	ο	ο
028	044	060	076	092	108	124	140	156	172	188	204	220	236	252
∫	'	<	L	\	l	l	l	l	π	π	π	π	π	π
029	045	061	077	093	109	125	141	157	173	189	205	221	237	253
∫	=	'	<	L	\	l	l	l	φ	φ	φ	φ	φ	φ
030	046	062	078	094	110	126	142	158	174	190	206	222	238	254
∫	∅	>	N	^	n	n	n	n	ω	ω	ω	ω	ω	ω
031	047	063	079	095	111	127	143	159	175	191	207	223	239	255
∫	/	?	O	-	o	o	o	o	α	α	α	α	α	α

## Russian Special Characters Catalogue

032	048	064	080	096	112	128	144	160	176	192	208	224	240
0	∂	Ρ	`	ρ				Б	Ю	Ч		Д	1/4
033	049	065	081	097	113	129	145	161	177	193	209	225	241
!	1	A	Q	a	q			Г	Я	Ш		Ц	1/3
034	050	066	082	098	114	130	146	162	178	194	210	226	242
"	2	B	R	b	r			Ё	б	Ь		Щ	1/2
035	051	067	083	099	115	131	147	163	179	195	211	227	243
#	3	C	S	c	s			Ж	В	Ы	!!	Д	
036	052	068	084	100	116	132	148	164	180	196	212	228	244
\$	4	D	T	d	t			З	Г	Ь		Ф	
037	053	069	085	101	117	133	149	165	181	197	213	229	245
%	5	E	U	e	u			И	ё	Э		И	
038	054	070	086	102	118	134	150	166	182	198	214	230	246
&	6	F	V	f	v			Й	ж	Ю		Щ	
039	055	071	087	103	119	135	151	167	183	199	215	231	247
'	7	G	W	g	w			Л	з	Я		'	
040	056	072	088	104	120	136	152	168	184	200	216	232	248
(	8	H	X	h	x			П	и	«		»	
041	057	073	089	105	121	137	153	169	185	201	217	233	249
)	9	I	Y	i	y			У	й	»	↑	~	
042	058	074	090	106	122	138	154	170	186	202	218	234	250
*	:	J	Z	j	z			Ф	к	»	↓	é	
043	059	075	091	107	123	139	155	171	187	203	219	235	251
+	:	K	L	k	l	10		Ч	л	"		Ç	
044	060	076	092	108	124	140	156	172	188	204	220	236	252
,	<	L	ç	l	12			Ш	М			ij	
045	061	077	093	109	125	141	157	173	189	205	221	237	253
-	=	M	J	m	15			Ь	и	ç		§	
046	062	078	094	110	126	142	158	174	190	206	222	238	254
•	>	N	^	n	←			Ы	п	f		¶	
047	063	079	095	111	127	143	159	175	191	207	223	239	255
/	?	O	-	o				Э	т	£	■	○	

# 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	<input type="checkbox"/> 6 digits	<input type="checkbox"/> 4 digits
[2]	Lock master code	<input type="checkbox"/> Disabled	<input type="checkbox"/> 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.

**[965]      Reset User Labels**

☐ Enabled

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

**[966] Clear User Report Codes**





☐ Enabled

**[967]      Reset User Report Codes**

☐ Enabled

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

## Remote Control Button Assignment

REM1 RAC1	REM2 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#	<b>IMPORTANT:</b> 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	[A] - Panic 3
[1] - Regular / Regular Force arming	[B] - PGM Activation (Event Group #8)*
[2] - Stay / Stay Force arming	[C] - PGM Activation (Event Group #9)*
[3] - N/A	[D] - PGM Activation (Event Group #10)*
[4] - Sleep / Sleep Force arming	[E] - PGM Activation (Event Group #11)*
[5] - PGM Activation (Event Group 22)*	[F] - Paramedic alarm
[6] - PGM Activation (Event Group 23)*	
[7] - Activate window mode (StayD)	* See PGM Programming on page 28.
[8] - Panic 1	
[9] - Panic 2	

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

### Remote Controls Supported:

REM1 / REM2 / RAC1  
RAC2 / REM3

**[701] REM2 Version Number****Option****[6]** REM2 version number**OFF**☐ REM2 V2.00**ON**☐ REM2 V2.01 or higher**[704] Arming/Disarming Options****Option****[4]** Bell squawk when arm/disarm with remote**OFF**☐ Disabled**ON**☐ 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****[651]** RC 1 for User 1**[652]** RC 2 for User 2**[653]** RC 3 for User 3**[654]** RC 4 for User 4**[655]** RC 5 for User 5**[656]** RC 6 for User 6**[657]** RC 7 for User 7**[658]** RC 8 for User 8**Section****[659]** RC 9 for User 9**[660]** RC 10 for User 10**[661]** RC 11 for User 11**[662]** RC 12 for User 12**[663]** RC 13 for User 13**[664]** RC 14 for User 14**[665]** RC 15 for User 15**[666]** RC 16 for User 16**Section****[667]** RC 17 for User 17**[668]** RC 18 for User 18**[669]** RC 19 for User 19**[670]** RC 20 for User 20**[671]** RC 21 for User 21**[672]** RC 22 for User 22**[673]** RC 23 for User 23**[674]** RC 24 for User 24**Section****[675]** RC 25 for User 25**[676]** RC 26 for User 26**[677]** RC 27 for User 27**[678]** RC 28 for User 28**[679]** RC 29 for User 29**[680]** RC 30 for User 30**[681]** RC 31 for User 31**[682]** RC 32 for User 32Refer 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.

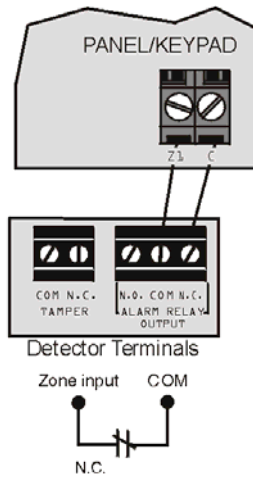
Section	OFF	ON
<b>[360]</b> [1] All odd-numbered REM3s [2] All odd-numbered REM3s [3] & [4] [5] All even-numbered REM3s [6] All even-numbered REM3s	<input type="checkbox"/> = Code entry for PGM <input type="checkbox"/> = Code entry disarm N/A <input type="checkbox"/> = Code entry for PGM <input type="checkbox"/>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

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

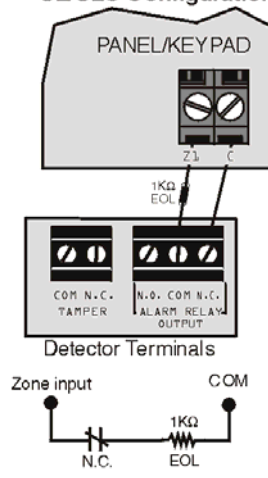
# Hardware Connections

## Single Zone Inputs

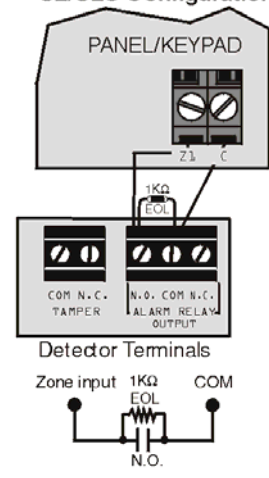
N.C. Contacts, No EOL



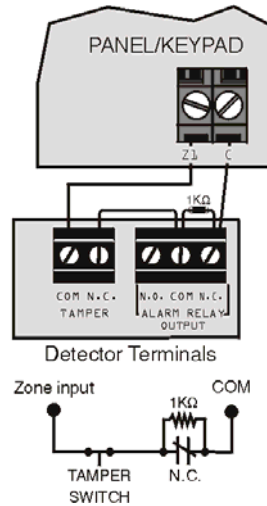
N.C., With EOL  
UL/ULC Configuration



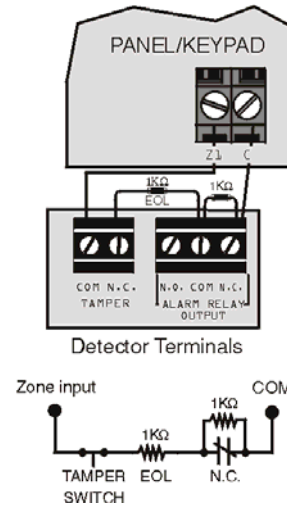
N.O., With EOL  
UL/ULC Configuration



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



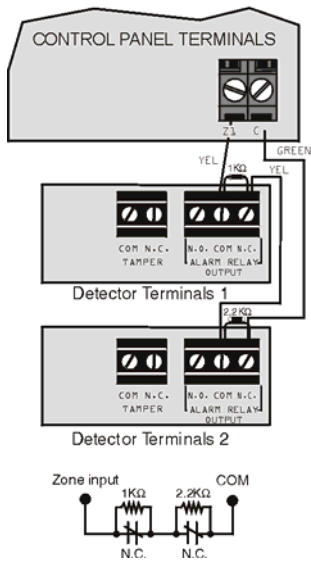
N.C., With EOL, With Tamper &  
Wire Fault Recognition (UL/ULC)



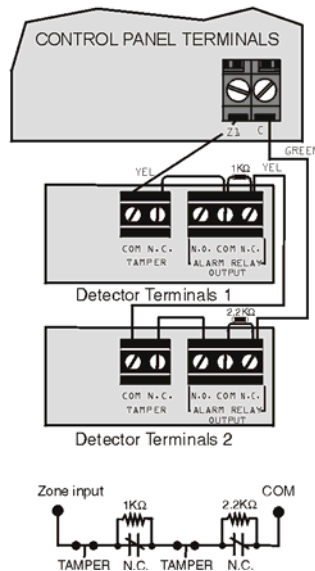
**NOTE:** Keyswitches are connected as standard zones and will follow ATZ options programmed in section [705] options [1] and [2] on page 14.

# Advanced Technology Zone (ATZ) Connections

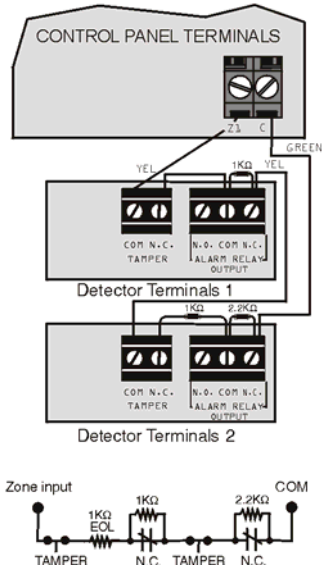
**N.C. Contacts, No EOL**



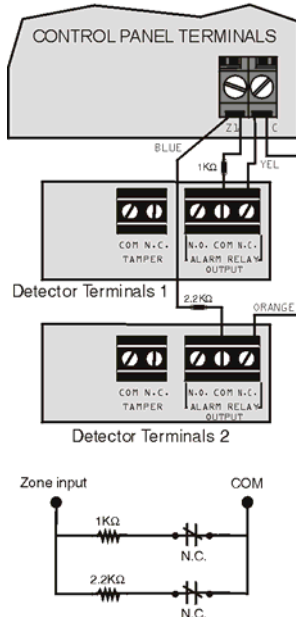
**N.C. Contacts, No EOL, with Tamper Recognition**



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

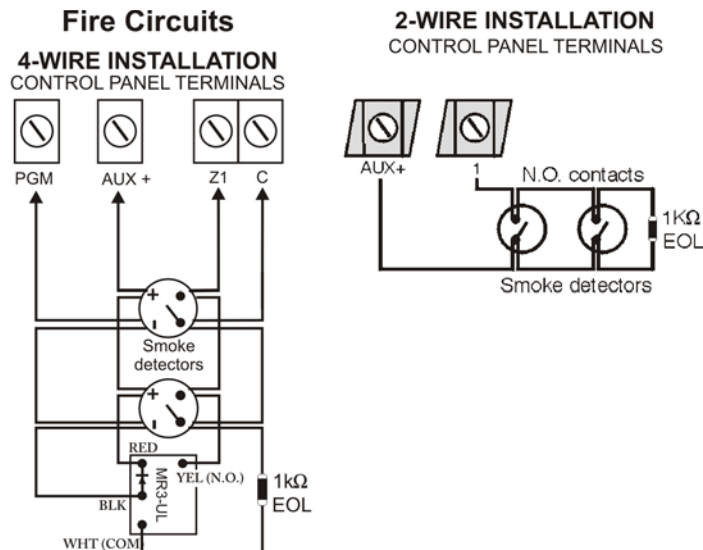


**Parallel Wiring**



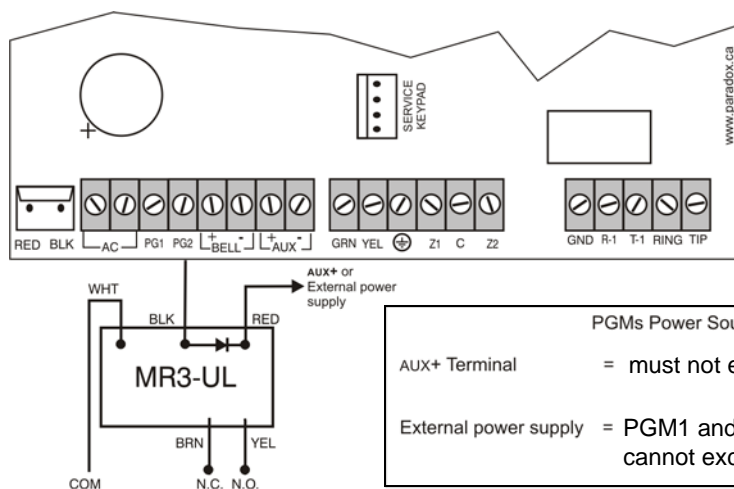
## Connecting Fire Circuits

**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.

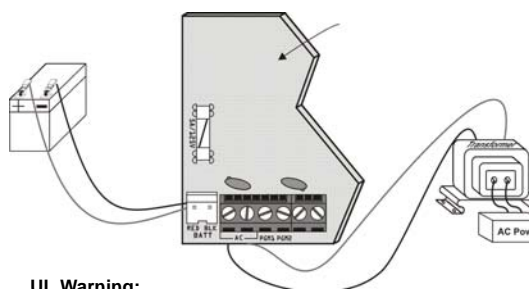
## AC Power & Backup Battery Connections

Transformer Requirements Table

Transformer:	16VAC <b>20VA*</b> (Amseco XP-1620) 16.5VAC <b>40VA</b> (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.**

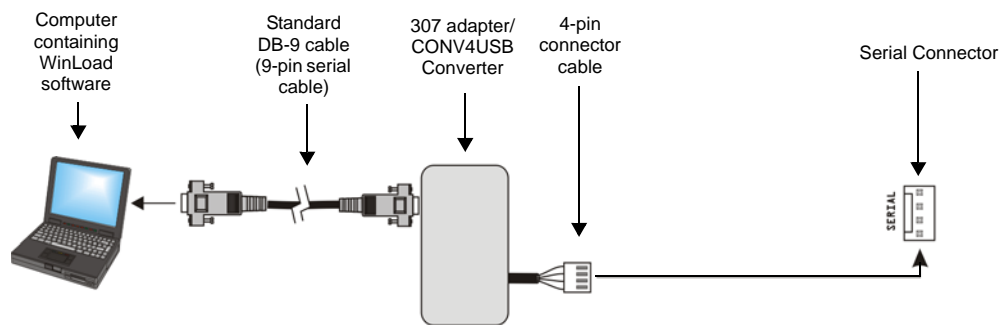
### UL Warning:

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

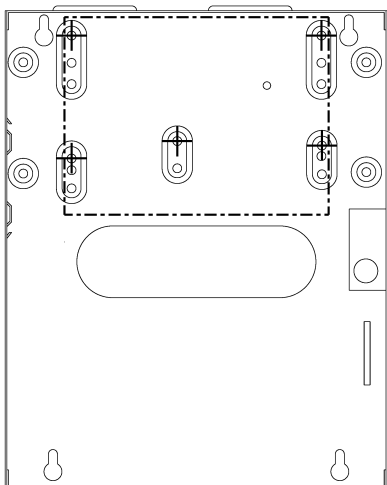
To update your system firmware:

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.

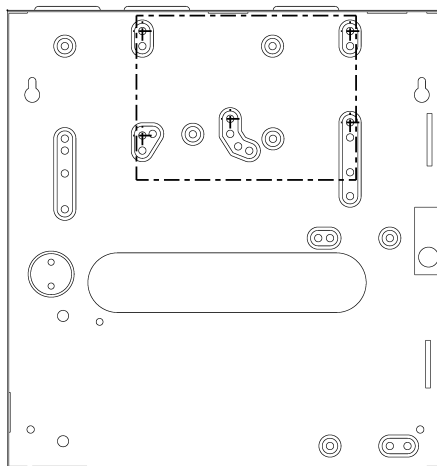
# Metal Box Installation

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.

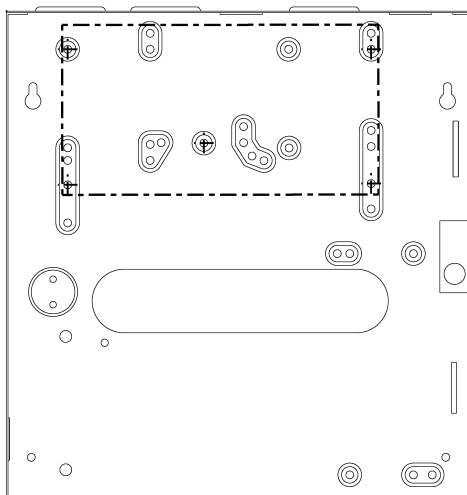
## MG5000 (8x10")



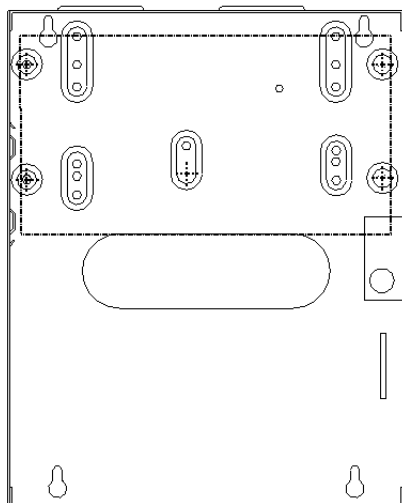
## MG5000 (11x11")



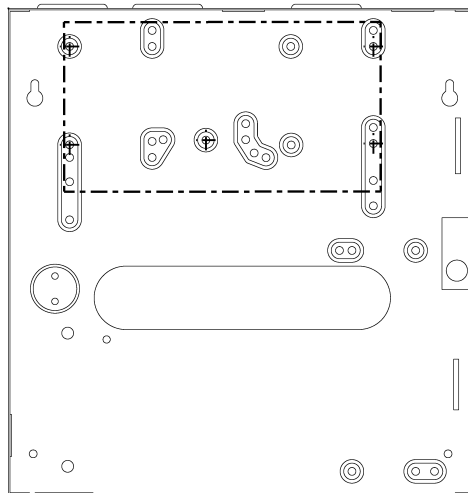
## MG5050 (11x11")



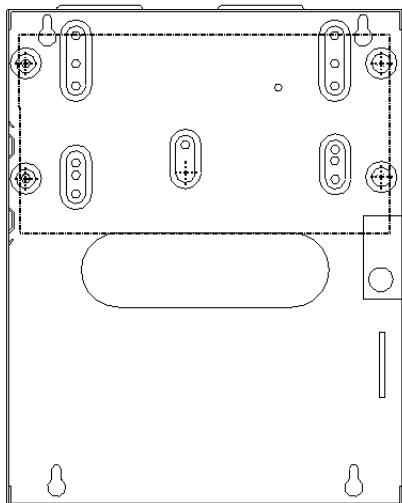
**SP5500 (8x10")**



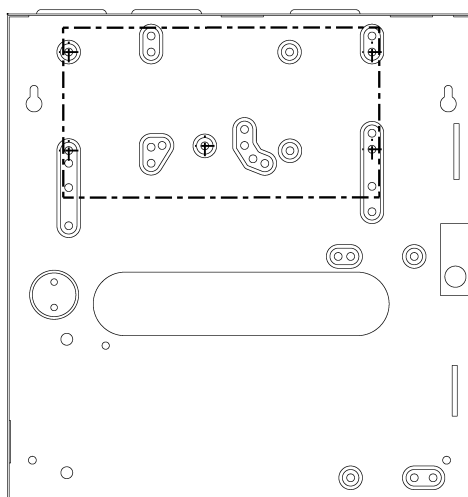
**SP5500 (11x11")**



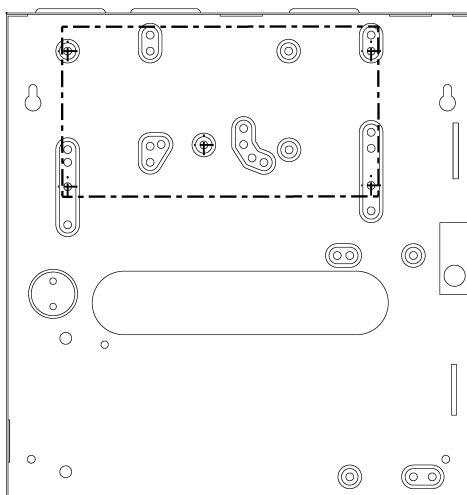
**SP6000 (8x10")**



**SP6000 (11x11")**



**SP7000 (11x11")**



# MG5000 PCB Layout

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

Press and hold the RESET button for five seconds. The STATUS LED will start flashing. Within 2 seconds of this flashing, press the reset switch again. The panel will reset to default and restart.

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

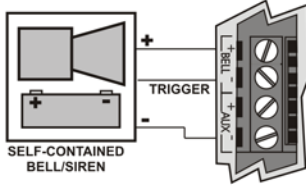


Refer to AC Power & Backup Battery Connections on page 60.

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

## Connection for Self-Contained Bell/Siren

**Warning:** 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.



## 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.

**Warning:** 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.

EBUS and Dialer used with: VDMP3 plug-in voice module for voice reporting PCS100 GSM communicator module

## 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

### "RX" & "TX" LED:

Flashes quickly when receiving or transmitting RF signals from wireless devices.

Antennas

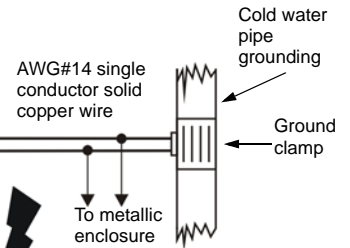
**Warning:** Do not cut, bend or alter the antennas and ensure that electrical wires do not cross over the antennae, as this may affect signal reception.

Paradox Memory Key (PMC-4 PMC-5)

**Warning:** Disconnect telephone line before servicing.



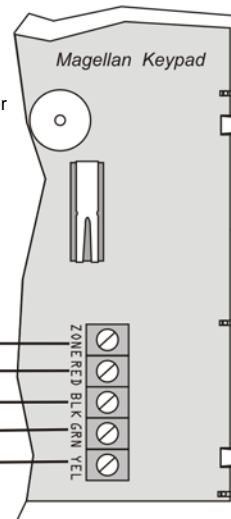
Refer to Single Zone Inputs on page 58



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

**Warning:** 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)

\* 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.

# MG5050 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

### "RX" & "TX" LED:

Flashes quickly when receiving or transmitting RF signals from wireless devices.

## SERVICE KEYPAD



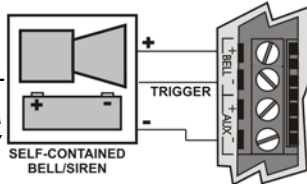
Four pin connector can be used for quick installation of a keypad.

Refer to AC Power & Backup Battery Connections on page 60.

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

### Connection for Self-Contained Bell/Siren

**Warning:** 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.



### 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.

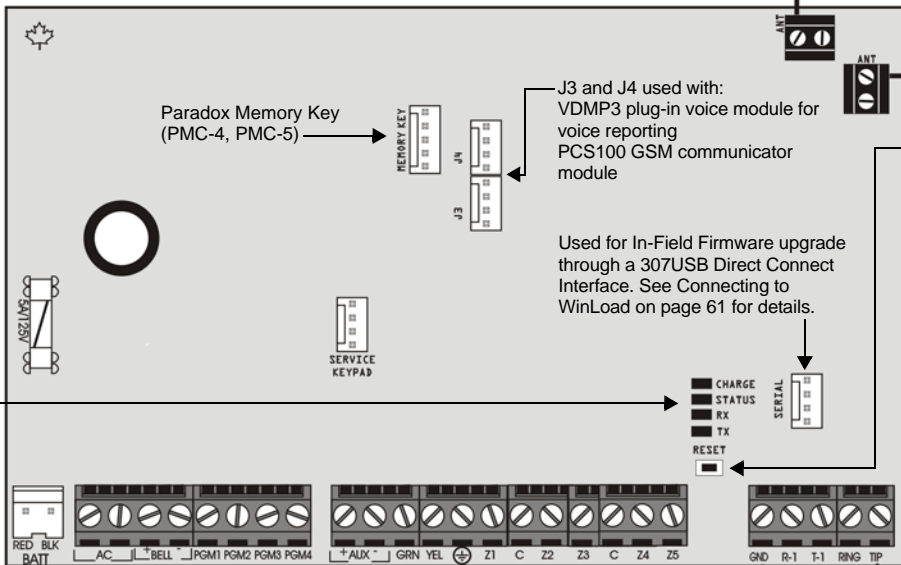


**This equipment must be installed and maintained by qualified service personnel only. For UL and C-UL warnings, refer to the UL and C-UL Warnings section at the back of the Reference & Installation Manual.**



**Do not cut, bend or alter the antennas and ensure that electrical wires do not cross over the antennae, as this may affect signal reception.**

Antennas



Press and hold the RESET button for five seconds. The STATUS LED will start flashing. Within 2 seconds of this flashing, press the reset switch again. The panel will reset to default and restart.



**Disconnect telephone line before servicing.**

Refer to Single Zone Inputs on page 58

AWG#14 single conductor solid copper wire

Cold water pipe grounding

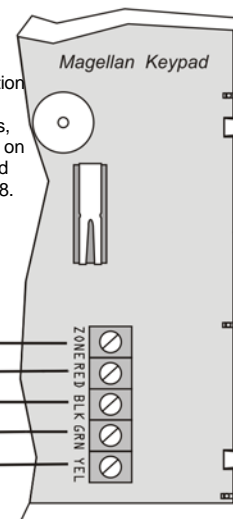
Ground clamp

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



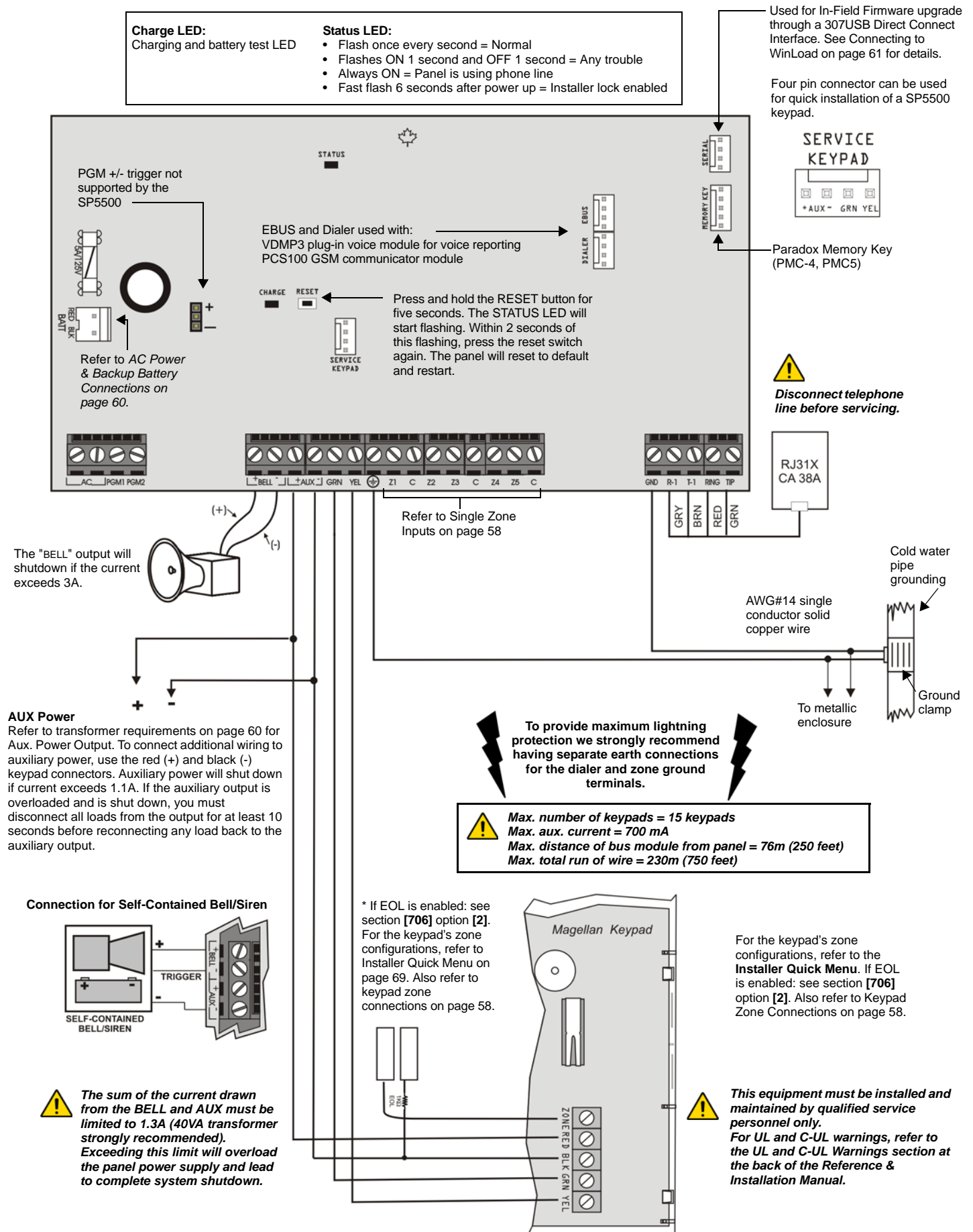
**Max. number of keypads = 15 keypads  
Max. aux. current = 700 mA  
Max. distance of bus module from panel = 76m (250 feet)  
Max. total run of wire = 230m (750 feet)**

\* 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.

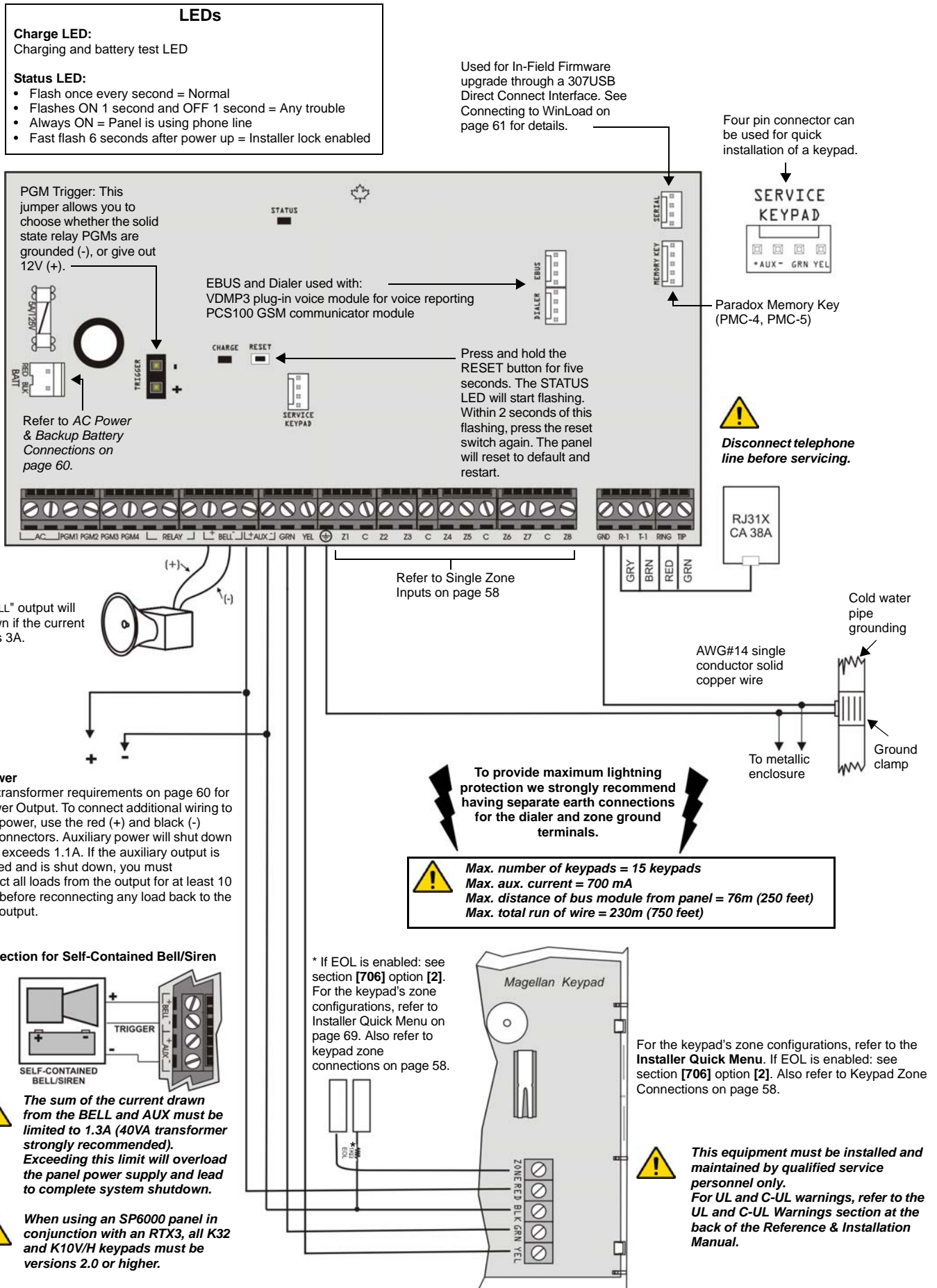


For the keypad's zone configurations, refer to the **Installer Quick Menu**. If EOL is enabled: see section [706] option [2]. Also refer to Keypad Zone Connections on page 58.

# SP5500 PCB Layout



# SP6000 PCB Layout



# SP7000 PCB Layout

## LEDs

### Charge LED:

Charging and battery test LED

### Status LED:

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

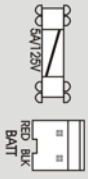
Used for In-Field Firmware upgrade through a 307USB Direct Connect Interface. See Connecting to WinLoad on page 61 for details.

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



Paradox Memory Key (PMC-4, PMC-5)

Press and hold the RESET button for five seconds. The STATUS LED will start flashing. Within 2 seconds of this flashing, press the reset switch again. The panel will reset to default and restart.



PGM Trigger: This jumper allows you to choose whether the solid state relay PGMs are grounded (-), or give out 12V (+).

Refer to AC Power & Backup Battery Connections on page 60.

May be labeled SERIAL on some panels



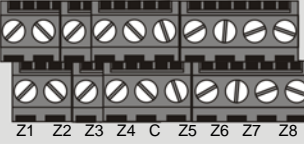
EBUS and Dialer used with: VDMP3 plug-in voice module for voice reporting PCS100 GSM communicator module

May be labeled ADM2 on some panels



Upper Inputs = Zones 9 to 16  
Lower Inputs = Zones 1 to 8

Z9 Z10 Z11 Z12 C Z13 Z14 Z15 Z16 C



Refer to Single Zone Inputs on page 58



**Disconnect telephone line before servicing.**



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



### AUX Power

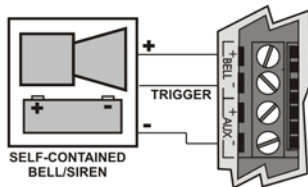
Refer to transformer requirements on page 60 for Aux. Power Output. To connect additional wiring to auxiliary power, use the red (+) and black (-) keypad connectors. Auxiliary power will shut down if current exceeds 1.1A. If the auxiliary output is overloaded and is shut down, you must disconnect all 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.



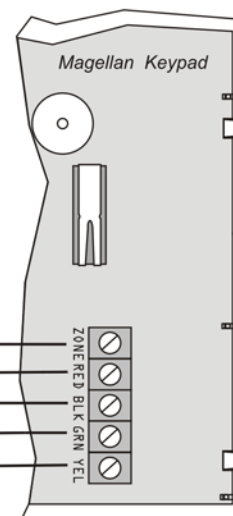
**Max. number of keypads = 15 keypads**  
**Max. aux. current = 700 mA**  
**Max. distance of bus module from panel = 76m (250 feet)**  
**Max. total run of wire = 230m (750 feet)**

### 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.**

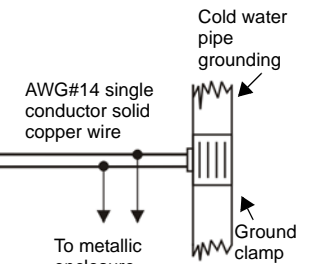
\* If EOL is enabled: see section [706] option [2]. For the keypad's zone configurations, refer to Installer Quick Menu on page 69. Also refer to keypad zone connections on page 58.



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.**




# 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	<b>Assign Partition</b> [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		
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	 + [5]	
4	[HH:MM]	Enter time. If HH = 13 or more, skip to step 6.
5	[TIME FORMAT]	Enter time format ([1] = 24hr; [2] = AM; [3] = PM).
6	[YYYY/MM/DD]	Enter date.




## Walk Test Mode

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




## Installer and Maintenance Codes

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




## WinLoad

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




## Monitoring Phone #

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





## Communicator

Step	Action	Details
1	 + [INSTALLER CODE]	 = flash. [MAINTENANCE CODE] may also be used, however, it cannot modify the backup phone number.
2		
3	[2] = Backup Phone # [3] = Personal Phone #1 [4] = Personal Phone #2 [5] = Personal Phone #3 [6] = Personal Phone #4 [7] = Personal Phone #5 [8] = Pager #	
4	[PHONE #] + [ENTER]*	Enter phone # (up to 32 digits) and press [ENTER]. Goes to next phone#, or go to step 5 if [8] = Pager # was selected. To erase a phone number pager message, press the [SLEEP] key for 3 seconds.
5	[MESSAGE] + [ENTER]	Step 5 for Pager # only. Enter pager message and press [ENTER].

## Cancel Communication

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

## PGMs

Step	Action	Details
1	 + [INSTALLER CODE]	 = flash. [MAINTENANCE CODE] may also be used.
2		
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]	<div> 1 = Follow Button  or ●  2 = Follow Button → or ●  3 = Follow Zone  4 = Follow Alarm </div> <div> 5 = Follow Bell  6 = Follow Arm  7 = Follow Stay arm  8 = Follow Sleep arm </div>
6	If PGM type is 1, 2, 3, or 4 [ACTIVATION DELAY]	<div> 1 = Follow  2 = 1 second  3 = 5 seconds </div> <div> 4 = 15 seconds  5 = 30 seconds  6 = 1 minute </div> <div> 7 = 5 minutes  8 = 15 minutes  9 = 30 minutes </div>
	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.

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We hope this product performs to your complete satisfaction. Should you have any questions or comments, please visit [www.paradox.com](http://www.paradox.com).