MAGELLAN™

All-In-One Wireless Security System V2.0

Programming Guide

Model # MG-6130 / MG-6160

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

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Things You Should Know

About This Programming Guide

This programming guide should be used in conjunction with the *Magellan Reference & Installation Manual* which can be downloaded from our website at **paradox.com**. Use this guide to record the settings programmed for this console.

Conventions


This symbol designates a warning or important information.


This symbol designates a suggestion or reminder.


This symbol designates a reference to another section, manual or guide.


This symbol designates a feature that can also be programmed in the Installer menu which can be accessed by pressing **[MENU]** and then entering your **[INSTALLER CODE]**. The icon will then be followed by the path or buttons that have to be pressed in order to access the feature once in the Installer menu. For example:

→[4] →[6] = Once in the Installer menu, press the **[4]** key and then press the **[6]** key to access the desired feature.

Refer to the Installer Menu Overview on the back cover for more information on accessing and using the Installer menu.

Installer Code (Default: 0000 / 000000)

The Installer code is used to enter programming mode (see *Entering Programming Mode* on page 2), which allows you to program all the features, options and commands of the Magellan console **except** user codes. The Installer code can be 4 or 6 digits in length (see section [090] option **[1]** on page 7) where each digit can be any value from 0 to 9. See section [181] on page 13 to change the default code.

Maintenance Code (Default: 1111 / 111111)

The Maintenance code is similar to the Installer code. It can be used to enter programming mode (see *Entering Programming Mode* on page 2), which allows you to program all the features, options and commands **except** for the Magellan console's communication settings (sections [108] to [112], sections [180] to [182]) as well as any user codes. The Maintenance code can be 4 or 6 digits in length (see section [090] option **[1]** on page 7) where each digit can be any value from 0 to 9. See section [182] on page 13 to change the default code **(Installer only)**.

Master Code (Default: 1234 / 123456)

With the System Master code a user can use any arming method and can program user codes. The System Master code can be 4 or 6 digits in length (see section [090] option **[1]** on page 7), where each digit can be any digit from 0 to 9. The System Master code cannot be changed by the Installer or Maintenance code, but it can be reset to default. See section [200] on page 13 to reset to default.

Entering Programming Mode

Use the built-in keypad to access Magellan's installer programming mode. To access programming mode:

1. Press and hold the **[0]** key.
2. Enter your **[INSTALLER CODE]** or **[MAINTENANCE CODE]**.
3. Enter the 3-digit **[SECTION]** you wish to program.
4. Enter the required **[DATA]**.
5. Press the **[*]** key to clear data or to go back one step. Press the **[#]** key to save changes.

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, Magellan will automatically save and advance to the next section. Refer to Figure 1 on page 3 to see the keys and their equivalent decimal and/or hexadecimal value.

Feature Select Programming Method

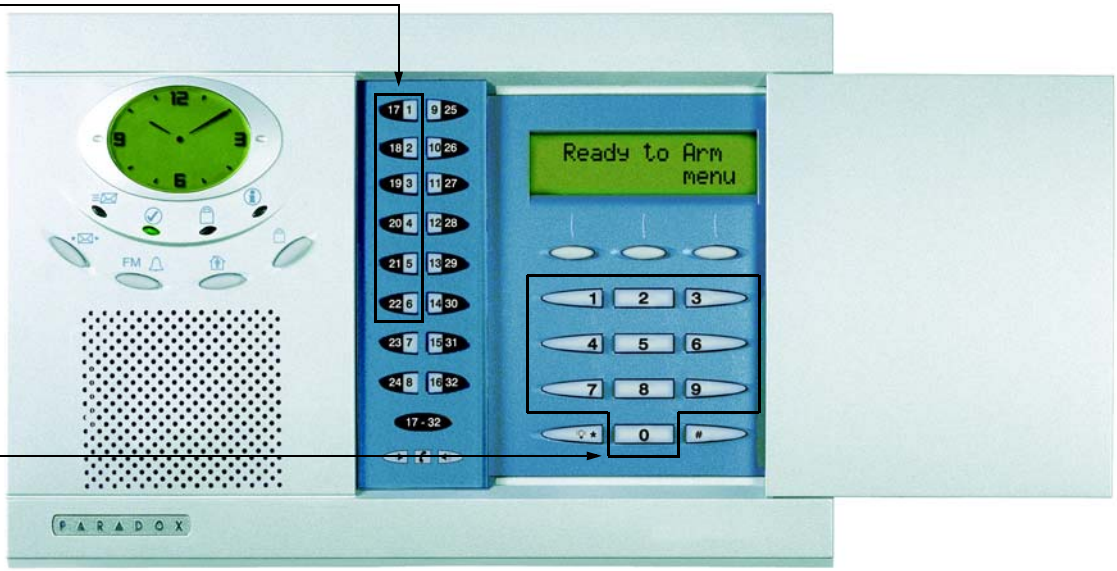
After entering certain sections, eight options will be displayed where each option from **[1]** to **[8]** represents a specific feature. Press the key corresponding to the desired option and the option number will appear in the LCD screen. This means the option is ON. Press the key again to remove the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

Decimal and Hexadecimal Values

Figure 1: Decimal and Hexadecimal Values

Hexadecimal only values:
[1] = A
[2] = B
[3] = C
[4] = D
[5] = E
[6] = F

Decimal and Hexadecimal Values:
Keys **[0]** to **[9]** = 0 to 9



Installer Quick Keys

To access the Installer Quick keys, press and hold the **[0]** key from the Main keypad, enter the **[INSTALLER CODE]** and then press from the Center keypad:

Key **[1]** =*Test Report:* Send the "Test Report" report code programmed in section [171] (page 12) to the monitoring station.

Key **[2]** =*Cancel Communication:* Cancels all communication with the WinLoad software or with the monitoring station until the next reportable event.

Key **[3]** =*Answer WinLoad Software:* Will force the console to answer an incoming call from the monitoring station that is using the WinLoad software.

Key **[4]** =*Call WinLoad Software:* Will dial the PC telephone number programmed in section [115] (page 10) in order to initiate communication with a computer using the WinLoad software.

Key **[5]** =*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 **[5]** key again to exit.

Zone Programming

Zone Definitions (→[4] →[6])

000 = Zone Disabled (default)
001 = Entry Delay 1
002 = Entry Delay 2
003 = Follow Zone
004 = Follow / Stay Zone
005 = Instant Zone
006 = Instant / Stay Zone
007 = Instant Fire Zone
008 = Delayed Fire Zone
009 = 24Hr. Burglary Zone
010 = 24Hr. Hold-up Zone
011 = 24Hr. Buzzer Zone
012 = 24Hr. Gas Zone
013 = 24Hr. Heat Zone
014 = 24Hr. Water Zone
015 = 24Hr. Freeze Zone

Zone Options

[1] = Auto-zone Shutdown (default)
[2] = Bypassable Zone (default)
[3] = Future Use
[6] = Intellizone†
[7] = Delay alarm transmission
[8] = Force Zone (default)‡

[4]	[5]	Zone Alarm Type
OFF	**OFF**	**Audible alarm (default)**
OFF	ON	Pulsed alarm
ON	OFF	Silent alarm
ON	ON	Report only

† Intellizone is not for use in UL installations.
‡ Force Arming is not permitted in UL installations.

Section	Description	Zone Definition	Zone Options
[001]	Zone 1:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[002]	Zone 2:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[003]	Zone 3:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[004]	Zone 4:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[005]	Zone 5:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[006]	Zone 6:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[007]	Zone 7:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[008]	Zone 8:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[009]	Zone 9:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[010]	Zone 10:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[011]	Zone 11:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[012]	Zone 12:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[013]	Zone 13:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[014]	Zone 14:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[015]	Zone 15:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[016]	Zone 16:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[017]	Zone 17:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[018]	Zone 18:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[019]	Zone 19:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[020]	Zone 20:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[021]	Zone 21:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[022]	Zone 22:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[023]	Zone 23:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[024]	Zone 24:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[025]	Zone 25:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[026]	Zone 26:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[027]	Zone 27:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[028]	Zone 28:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[029]	Zone 29:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[030]	Zone 30:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[031]	Zone 31:_____	_____/_____/_____	1 2 3 4 5 6 7 8
[032]	Zone 32:_____	_____/_____/_____	1 2 3 4 5 6 7 8

Remote Control Button Programming

Section	RC#	Data (Default: 4DE0)				Section	RC#	Data (Default: 4DE0)			
		🔒	⏻	→	⏻+→			🔒	⏻	→	⏻+→
[040] Default	1-16	_____	_____	_____	_____						
[041]	1	_____	_____	_____	_____	[049]	9	_____	_____	_____	_____
[042]	2	_____	_____	_____	_____	[050]	10	_____	_____	_____	_____
[043]	3	_____	_____	_____	_____	[051]	11	_____	_____	_____	_____
[044]	4	_____	_____	_____	_____	[052]	12	_____	_____	_____	_____
[045]	5	_____	_____	_____	_____	[053]	13	_____	_____	_____	_____
[046]	6	_____	_____	_____	_____	[054]	14	_____	_____	_____	_____
[047]	7	_____	_____	_____	_____	[055]	15	_____	_____	_____	_____
[048]	8	_____	_____	_____	_____	[056]	16	_____	_____	_____	_____

MG-REM1

MG-REM2

Button Options Table

0 - Button disabled
1 - Regular arming
2 - Stay arming
3 - Instant arming
4 - Force arming
5 - N/A
6 - N/A
7 - N/A
8 - Panic 1†
9 - Panic 2†
A* - Panic 3†
B* - PGM Activation (Event Group #7, see *Appendix 1: PGM Event Table*)
C* - PGM Activation (Event Group #8, see *Appendix 1: PGM Event Table*)
D* - Turn FM radio ON/OFF (MG-6160 only)
E* - FM radio memory scan (MG-6160 only)
F* - Non-medical alarm

* = Hex values **A** to **F** are keys **[17/1]** to **[22/6]** from Magellan's Center Keypad. Refer to Figure 1 on page 2.
† = The panic feature (section **[091]** options **[1]** to **[3]**) must be enabled.

The 🔓 button of the MG-REM1 and MG-REM2 remote controls has been permanently programmed to disarm the system. However, when the system is disarmed and the Magellan console's radio is on (MG-6160 only), the 🔓 button can be used for volume control. The button's functionality cannot be altered. The 🧍 button of the MG-REM2 remote control has been permanently programmed to request feedback from the system. The button's functionality cannot be altered.

When section [040] is accessed, the console will display the contents of section [041] and copy the saved value of that section to all remote options: [041] to [56].

System Timers

Section	Data (value from 000 to 255)	Description	Defaults
[060]	____/____/____ seconds	Entry delay 1 (→[4] →[4]) †	*045 secs.*
[061]	____/____/____ seconds	Entry delay 2 (→[4] →[4]) †	*045 secs.*
[062]	____/____/____ seconds	Exit delay (→[4] →[4]) ‡	*060 secs.*
[063]	____/____/____ minutes	Bell cut-off time (→[4] →[4]) *	*004 mins.*
[064]	____/____/____ x 15 minutes	No movement time	*Disabled*
[065]	____/____/____ seconds (minimum 10 seconds)	Intellizone delay	*045 secs.*
[066]	____/____/____ seconds	Recent closing delay	*Disabled*
[067]	____/____/____ times	Auto-zone shutdown	*005 times*
[068]	____/____/____ seconds	PGM1 timer	*Disabled*
[069]	____/____/____ seconds	PGM2 timer	*Disabled*
[070]	____/____/____ minutes	Power failure report delay	*015 mins.*
[071]	____/____/____ days	Auto-test report	*Disabled*
[072]	____/____/____ rings	Number of rings	*008 rings*
[073]	____/____/____ seconds	TLM fail timer	*032 secs.*
[074]	____/____/____ seconds	Answering machine override delay	*030 secs.*
[075]	____/____/____ seconds	Delay alarm transmission	*Disabled*
[076]	____/____/____ seconds (maximum 130 seconds)	Delay between dialing attempts ▽	*020 secs.*
[077]	____/____/____ seconds	Pager/voice delay	*005 secs.*
[078]	____/____/____ seconds	Remote panic disarm lock delay	*020 secs.*
[079]	____/____/____ repetitions (maximum 10 repetitions)	Voice reporting message repetitions	*003 reps.*
[080]	____/____/____ days	Closing delinquency delay	*Disabled*
[081]	____/____/____ (000 to 007**)	Entry delay audio selection (→[4] →[4])	*003*
[082]	____/____/____ (000 to 007**)	Exit delay audio selection (→[4] →[4])	*002*
[083]	Future use	Future use	*Future use*
[084]	____/____:____/____ Hours	Auto-test report time	*Disabled*
[085]	____/____:____/____ Hours	Auto-arm time (→[8] →[3])	*Disabled*

** 000 = No tone; 001 = Beeping; 002 = Countdown; 003 = Tonality 1; 004 = Tonality 2; 005 = Tonality 3; 006 = Tonality 4; 007 = Radio tuner (MG-6160 only)

† For UL installations, the Entry delay must not exceed 45 seconds.

‡ For UL installations, the Exit delay must not exceed 60 seconds.

* For UL installations, the Bell cut-off time must be a minimum of 4 minutes; for cUL installations, the Bell cut-off time must be a minimum of 5 minutes.

▽ For UL installations, the number of dialing attempts shall not exceed 10.

On-board Programmable Outputs (PGMs)

Section	Description	Event Group #	Sub-group #	Default
[086]	PGM1 Activation Event	(____/____)	(____/____)	No event programmed
[087]	PGM1 Deactivation Event	(____/____)	(____/____)	No event programmed
[088]	PGM2 Activation Event	(____/____)	(____/____)	No event programmed
[089]	PGM2 Deactivation Event	(____/____)	(____/____)	No event programmed

Refer to *Appendix 1: PGM Event Table* on page 18 for the PGM events that can be used to program Magellan's PGM outputs.

System Options

[090] General Options — **Bold** = Default setting

Option		OFF	ON
[1]	Access code length	☐ 6 digits	☐ **4 digits**
[2]	Audible trouble warning (except AC power failures)	☐ **Disabled**	☐ Enabled
[3]	Lock master code	☐ **Disabled**	☐ Enabled
[4]	Use user code 16 as duress code	☐ **Disabled**	☐ Enabled
[5]	Console tamper supervision	☐ **Disabled**	☐ Enabled
[6]	Need code to bypass zones	☐ **Disabled**	☐ Enabled
[7]	PGM1 normal state	☐ **N.O.**	☐ N.C.
[8]	PGM2 normal state	☐ **N.O.**	☐ N.C.

[091] General Options — **Bold** = Default setting

Option		OFF	ON
[1]	Panic 1 (Emergency)	☐ **Disabled**	☐ Enabled
[2]	Panic 2 (Auxiliary)	☐ **Disabled**	☐ Enabled
[3]	Panic 3 (Fire)	☐ **Disabled**	☐ Enabled
[4]	Panic 1: Silent or audible alarm	☐ **Silent**	☐ Audible
[5]	Panic 2: Silent or audible alarm	☐ **Silent**	☐ Audible
[6]	Panic 3: Silent or audible alarm	☐ **Silent**	☐ Audible
[7]	PGM1 used as (MG-6160 only)	☐ **Direct output**	☐ X10 output 7
[8]	PGM2 used as (MG-6160 only)	☐ **Direct output**	☐ X10 output 8

[092] Arming/Disarming Options — **Bold** = Default setting

Option		OFF	ON
[1]	Auto-arm on time (→[8] →[2]) †	☐ **Disabled**	☐ Enabled
[2]	Auto-arm on no movement †	☐ **Disabled**	☐ Enabled
[3]	Auto-arm in what arming mode †	☐ **Regular**	☐ Stay
[4]	Switch to Stay arming if no entry delay is opened	☐ **Disabled**	☐ Enabled
[5]	Regular arming switches to Force arming †	☐ Disabled	☐ **Enabled**
[6]	Stay arming switches to Force arming †	☐ **Disabled**	☐ Enabled
[7]	One-touch Regular/Force arming †	☐ Disabled	☐ **Enabled**
[8]	One-touch Stay arming	☐ Disabled	☐ **Enabled**

† Force arming and Auto-arming are not for use in UL installations.

[093] Arming/Disarming Options — **Bold** = Default setting

Option		OFF	ON
[1]	Future use	☐ Future use	☐ Future use
[2]	Future use	☐ Future use	☐ Future use
[3]	Bell squawk when arming/disarming with remote control *	☐ **Disabled**	☐ Enabled
[4]	No exit delay when arming with remote control	☐ **Disabled**	☐ Enabled
[5]	Report system disarming	☐ Always	☐ **After alarm only**
[6]	Exit delay termination	☐ Disabled	☐ **Enabled**
[7]	Follow zones become Entry Delay 2 zones when Delay zone is bypassed	☐ **Disabled**	☐ Enabled
[8]	FM tuner ON when system is armed (→[8] →[1]) (MG-6160 only)	☐ Disabled	☐ **Enabled**

* Bell Squawk on Arm must be enabled for UL installations.

[094] Zone Options — **Bold** = Default setting

Option		OFF	ON
[1]	Stay delay zones	☐ **Disabled**	☐ Enabled
[2]	Report zone restore	☐ **On Bell cut-off**	☐ On zone closure
[3] & [4]	Tamper recognition options †	☐ See table ☐ See table	☐ See table ☐ See table
[5]	Generate tamper trouble if detected on bypassed zone	☐ **No**	☐ Yes
[6] & [7]	Wireless transmitter supervision options ‡	☐ See table ☐ See table	☐ See table ☐ See table
[8]	Generate supervision trouble if detected on bypassed zone	☐ **No**	☐ Yes

[3]	[4]	
OFF	**OFF**	**- Disabled**
OFF	ON	- Trouble only
ON	OFF	- Disarmed: Trouble only - Armed: Follow *zone's alarm type* (page 4)
ON	ON	- Disarmed: Audible alarm - Armed: Follow *zone's alarm type* (page 4)

[6]	[7]	
OFF	OFF	- Disabled *
OFF	**ON**	**- Trouble only**
ON	OFF	- Disarmed: Trouble only - Armed: Follow *zone's alarm type* (page 4)
ON	ON	- Disarmed: Audible alarm - Armed: Follow *zone's alarm type* (page 4)

† For UL installations, Tamper recognition options must be enabled.
‡ For UL installations, Wireless supervision options must be enabled.
* For UL installations, if the zone is programmed as a wireless fire zone, supervision must be enabled and the check-in supervision time must be set at 80 minutes (section **[096]** option **[7]** on page 8).

[095] Zone Options — **Bold** = Default setting

Option		OFF	ON
[1]	Zone 31 is hardwire zone 1 *	☐ **Disabled**	☐ Enabled
[2]	Zone 32 is hardwire zone 2 *	☐ **Disabled**	☐ Enabled
[3]	EOL (End-Of-Line) resistors †	☐ **No EOL**	☐ Use EOL resistors
[4]	Stay arm siren delay	☐ Disabled	☐ **Enabled**
[5]	Future use		
[6]	Live Display Mode for Wireless Keypad (MG32WK)	☐ Disabled	☐ **Enabled**
[7] & [8]	Future use		

* For UL installations, if either or both of the hardwired zones are enabled, then section **[095]** option **[3]** option must be enabled.
† This feature only applies to Magellan's onboard zone inputs. Section [095] options [1] and [2] must be ON in order to use this feature.

[096] General Options — **Bold** = Default setting

Option		OFF	ON
[1] & [2]	Doorbell 1 tone options	☐ See table ☐ See table	☐ See table ☐ See table
[3] & [4]	Doorbell 2 tone options	☐ See table ☐ See table	☐ See table ☐ See table
[5]	Daylight savings time	☐ **Disabled**	☐ Enabled
[6]	AC power failure warning *	☐ **Disabled**	☐ Enabled
[7]	Check-in supervision time	☐ **24Hrs**	☐ 80 minutes
[8]	RF Jamming supervision *	☐ Disabled	☐ **Enabled**

[1]	[2]	
OFF	**OFF**	**- Tone 1**
OFF	ON	- Tone 2
ON	OFF	- Tone 3
ON	ON	- Tone 4

[3]	[4]	
OFF	OFF	- Tone 1
OFF	**ON**	**- Tone 2**
ON	OFF	- Tone 3
ON	ON	- Tone 4

* This option must be enabled for UL installations.

[097] General Options — **Bold** = Default setting

Option		OFF	ON
[1]	Volume boost on entry/exit delay	☐ **Disabled**	☐ Enabled
[2]	Volume boost in speakerphone mode	☐ Disabled	☐ **Enabled**
[3] to [8]	Future use	☐ Future use	☐ Future use

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

Option		OFF	ON
[1] & [2]	Telephone line monitoring options *	☐ See table ☐ See table	☐ See table ☐ See table
[3]	Switch to pulse on 5th attempt	☐ **Disabled**	☐ Enabled
[4]	Call back	☐ **Disabled**	☐ Enabled
[5]	Alternate dialing	☐ **Disabled**	☐ Enabled
[6]	Force dial	☐ Disabled	☐ **Enabled**
[7]	DTMF dialing	☐ Disabled	☐ **Enabled**
[8]	Pulse ratio	☐ 1:2	☐ **1:1.5**

[1]	[2]	
OFF	**OFF**	**- TLM disabled**
OFF	ON	- Generate a trouble
ON	OFF	- Generate audible alarm if armed
ON	ON	- Silent alarms become audible

* For UL installations, the telephone line monitoring must be enabled if off-premise transmission is used.

[099] Dialer Options 2 * — **Bold** = Default setting

Option		OFF	ON
[1]	Use monitoring station telephone number 2 as	☐ Regular	☐ **Backup**
[2] to [8]	Future use	☐ Future use	☐ Future use

* For UL installations, only one telephone number is allowed.

[100] Event Call Direction Options for: — **Bold** = Default setting

Arming / Disarming Report Codes

Option		OFF	ON
[1]	Call monitoring station telephone number 1	☐ Disabled	☐ **Enabled**
[2]	Call monitoring station telephone number 2	☐ **Disabled**	☐ Enabled
[3]	Call Pager telephone number	☐ **Disabled**	☐ Enabled
[4]	Future use	☐ Future use	☐ Future use

Alarm / Alarm Restore Report Codes

[5]	Call monitoring station telephone number 1	☐ Disabled	☐ **Enabled**
[6]	Call monitoring station telephone number 2	☐ **Disabled**	☐ Enabled
[7]	Call Pager telephone number	☐ Disabled	☐ **Enabled**
[8]	Future use	☐ Future use	☐ Future use

[101] Event Call Direction Options for: — **Bold** = Default setting

Tamper / Tamper Restore Report Codes

Option		OFF	ON
[1]	Call monitoring station telephone number 1	☐ Disabled	☐ **Enabled**
[2]	Call monitoring station telephone number 2	☐ **Disabled**	☐ Enabled
[3]	Call Pager telephone number	☐ **Disabled**	☐ Enabled
[4]	Future use	☐ Future use	☐ Future use

Trouble / Trouble Restore Report Codes

[5]	Call monitoring station telephone number 1	☐ Disabled	☐ **Enabled**
[6]	Call monitoring station telephone number 2	☐ **Disabled**	☐ Enabled
[7]	Call Pager telephone number	☐ **Disabled**	☐ Enabled
[8]	Future use	☐ Future use	☐ Future use

[102] Event Call Direction Options for: — **Bold** = Default setting

Special Report Codes *

Option		OFF	ON
[1]	Call monitoring station telephone number 1	☐ Disabled	☐ **Enabled**
[2]	Call monitoring station telephone number 2	☐ **Disabled**	☐ Enabled
[3]	Call Pager telephone number	☐ **Disabled**	☐ Enabled
[4] to [8]	Future use	☐ Future use	☐ Future use

* For UL installations, only one telephone number is allowed.

Communicator Settings

Section	Data	Description
[105]	____/____/____	Report format for monitoring station telephone number 1 (→[4] →[3])
[106]	____/____/____	Report format for monitoring station telephone number 2 (→[4] →[3])

001 = Ademco slow (1400Hz 10BPS) | 002 = Silent Knight (1400Hz 20BPS) | 003 = SESCOA (2300Hz 20BPS)
004 = Ademco Contact ID (default) | 005 = SIA FSK | 006 = ADEMCO Express (DTMF 4+2)

[107]	____/____/____/____	Account number (→[4] →[3]) †
[108]	____/____/____/____	Panel identifier (for use with WinLoad software) (→[4] →[9])
[109]	____/____/____/____	Panel password (for use with WinLoad software) (→[4] →[9])
[110]		Reserved for future use
[111]		Monitoring station telephone number 1 (32 digits maximum; if less than 32, press **[ok]** to accept) (→[4] →[3])
	___/___	
[112]		Monitoring station telephone number 2 (32 digits maximum; if less than 32, press **[ok]** to accept) (→[4] →[3])
	___/___	
[113]		Pager Telephone # (32 digits maximum; if less than 32, press **[ok]** to accept) (→[4] →[3])
	___/___	
[114]		Numeric message sent with Pager Reporting (32 digits maximum; if less than 32, press **[ok]** to accept) (→[4] →[3])
	___/___	
[115]		PC telephone number for WinLoad (32 digits maximum; if less than 32, press **[ok]** to accept)
	___/___	
[116]		Service telephone number* (32 digits maximum; if less than 32, press **[ok]** to accept) (→[4] →[3]) (MG-6160 only)
	___/___	

***** Using Magellan's speakerphone feature (MG-6160 only), the Service telephone number allows the user to directly call the installer or maintenance staff if any problems arise.
† If you are using any report format other than SIA in sections [105] and [106] and you would like to transmit an "A", press [0] on the main keypad; if you would like to enter a space (non-reportable digit), press the [1] key on the center keypad.

Table 1: Special Keys for Telephone Numbers

Keys to press	Action or Value
[*]	*
[#]	#
Center **[ACTION]** (pause) key	Add a 4-second pause to the telephone number. Press the key and a "P" will be inserted into the telephone number

There are five personal telephone numbers used for voice reporting. These telephone numbers are programmed through the console's communicator menu. (→[4] →[3])

Report Codes

Default = FF

Arming Report Codes	
Section	**Data**
[120]	____/____ User Code 1
	____/____ User Code 2
	____/____ User Code 3
	____/____ User Code 4
[121]	____/____ User Code 5
	____/____ User Code 6
	____/____ User Code 7
	____/____ User Code 8
[122]	____/____ User Code 9
	____/____ User Code 10
	____/____ User Code 11
	____/____ User Code 12
[123]	____/____ User Code 13
	____/____ User Code 14
	____/____ User Code 15
	____/____ User Code 16

Special Arming Report Codes	
Section	**Data**
[124]	____/____ Auto-arming
	____/____ Late to close
	____/____ No movement
	____/____ Partial arming
[125]	____/____ Quick-arming
	____/____ Arming via PC
	____/____ Future use
	____/____ Future use

Disarming Report Codes	
Section	**Data**
[126]	____/____ User Code 1
	____/____ User Code 2
	____/____ User Code 3
	____/____ User Code 4
[127]	____/____ User Code 5
	____/____ User Code 6
	____/____ User Code 7
	____/____ User Code 8
[128]	____/____ User Code 9
	____/____ User Code 10
	____/____ User Code 11
	____/____ User Code 12
[129]	____/____ User Code 13
	____/____ User Code 14
	____/____ User Code 15
	____/____ User Code 16

Special Disarming Report Codes	
Section	**Data**
[130]	____/____ End auto-arm
	____/____ Disarm via PC
	____/____ Future use
	____/____ Future use

Default = FF

Alarm Report Codes	
Section	**Data**
[131]	____/____ Zone 1
	____/____ Zone 2
	____/____ Zone 3
	____/____ Zone 4
[132]	____/____ Zone 5
	____/____ Zone 6
	____/____ Zone 7
	____/____ Zone 8
[133]	____/____ Zone 9
	____/____ Zone 10
	____/____ Zone 11
	____/____ Zone 12
[134]	____/____ Zone 13
	____/____ Zone 14
	____/____ Zone 15
	____/____ Zone 16

Alarm Report Codes	
Section	**Data**
[135]	____/____ Zone 17
	____/____ Zone 18
	____/____ Zone 19
	____/____ Zone 20
[136]	____/____ Zone 21
	____/____ Zone 22
	____/____ Zone 23
	____/____ Zone 24
[137]	____/____ Zone 25
	____/____ Zone 26
	____/____ Zone 27
	____/____ Zone 28
[138]	____/____ Zone 29
	____/____ Zone 30
	____/____ Zone 31
	____/____ Zone 32

Alarm Restore Report Codes	
Section	**Data**
[139]	____/____ Zone 1
	____/____ Zone 2
	____/____ Zone 3
	____/____ Zone 4
[140]	____/____ Zone 5
	____/____ Zone 6
	____/____ Zone 7
	____/____ Zone 8
[141]	____/____ Zone 9
	____/____ Zone 10
	____/____ Zone 11
	____/____ Zone 12
[142]	____/____ Zone 13
	____/____ Zone 14
	____/____ Zone 15
	____/____ Zone 16

Alarm Restore Report Codes	
Sec-tion	**Data**
[143]	____/____ Zone 17
	____/____ Zone 18
	____/____ Zone 19
	____/____ Zone 20
[144]	____/____ Zone 21
	____/____ Zone 22
	____/____ Zone 23
	____/____ Zone 24
[145]	____/____ Zone 25
	____/____ Zone 26
	____/____ Zone 27
	____/____ Zone 28
[146]	____/____ Zone 29
	____/____ Zone 30
	____/____ Zone 31
	____/____ Zone 32

Default = FF

Special Alarm Report Codes	
Section	**Data**
[147]	____/____ Emer. panic
	____/____ Aux. panic
	____/____ Fire panic
	____/____ Recent closing
[148]	____/____ Zone shutdown
	____/____ Duress
	____/____ Paramedical
	____/____ Future use

Tamper Report Codes	
Section	**Data**
[149]	____/____ Zone 1
	____/____ Zone 2
	____/____ Zone 3
	____/____ Zone 4
[150]	____/____ Zone 5
	____/____ Zone 6
	____/____ Zone 7
	____/____ Zone 8
[151]	____/____ Zone 9
	____/____ Zone 10
	____/____ Zone 11
	____/____ Zone 12
[152]	____/____ Zone 13
	____/____ Zone 14
	____/____ Zone 15
	____/____ Zone 16

Tamper Report Codes	
Section	**Data**
[153]	____/____ Zone 17
	____/____ Zone 18
	____/____ Zone 19
	____/____ Zone 20
[154]	____/____ Zone 21
	____/____ Zone 22
	____/____ Zone 23
	____/____ Zone 24
[155]	____/____ Zone 25
	____/____ Zone 26
	____/____ Zone 27
	____/____ Zone 28
[156]	____/____ Zone 29
	____/____ Zone 30
	____/____ Zone 31
	____/____ Zone 32

Tamper Restore Report Codes	
Section	**Data**
[157]	____/____ Zone 1
	____/____ Zone 2
	____/____ Zone 3
	____/____ Zone 4
[158]	____/____ Zone 5
	____/____ Zone 6
	____/____ Zone 7
	____/____ Zone 8
[159]	____/____ Zone 9
	____/____ Zone 10
	____/____ Zone 11
	____/____ Zone 12
[160]	____/____ Zone 13
	____/____ Zone 14
	____/____ Zone 15
	____/____ Zone 16

Default = **FF**

Tamper Restore Report Codes	
Section	**Data**
[161]	____/____ Zone 17
	____/____ Zone 18
	____/____ Zone 19
	____/____ Zone 20
[162]	____/____ Zone 21
	____/____ Zone 22
	____/____ Zone 23
	____/____ Zone 24
[163]	____/____ Zone 25
	____/____ Zone 26
	____/____ Zone 27
	____/____ Zone 28
[164]	____/____ Zone 29
	____/____ Zone 30
	____/____ Zone 31
	____/____ Zone 32

System Trouble Report Codes	
Section	**Data**
[165]	____/____ Future use
	____/____ AC failure
	____/____ Battery failure
	____/____ Timer loss
[166]	____/____ Unit tamper
	____/____ Fail to comm.
	____/____ TX low battery
	____/____ TX superv. loss
[167]	____/____ RF jamming supervision
	____/____ Future use
	____/____ Future use
	____/____ Future use

System Troubles Restore Report Codes	
Section	**Data**
[168]	____/____ Future use
	____/____ AC failure
	____/____ Battery failure
	____/____ Timer prog.
[169]	____/____ Unit tamp. rest.
	____/____ Future use
	____/____ TX low battery
	____/____ TX superv. rest.
[167]	____/____ RF jamming supervision
	____/____ Future use
	____/____ Future use
	____/____ Future use

Special Report Codes	
Section	**Data**
[171]	____/____ Cold start
	____/____ Test report
	____/____ Future use
	____/____ WinLoad logout
[172]	____/____ Installer logon
	____/____ Installer logout
	____/____ Delinquency
	____/____ Future use

Default = **FF**

Wireless Module Trouble Report Codes		Wireless Module Trouble Restore Report Codes	
[173]	____/____ PGM Supervision Loss	**[175]**	____/____ PGM Supervision Restored
	____/____ PGM Tamper		____/____ PGM Tamper Restored
	____/____ Keypad Supervision Loss		____/____ Keypad Supervision Restored
	____/____ Keypad Battery Trouble		____/____ Keypad Battery Trouble Restored
[174]	____/____ Keypad AC Failure	**[176]**	____/____ Keypad AC Restored
	____/____ Repeater Supervision Lost		____/____ Repeater Supervision Restored
	____/____ Repeater Battery Trouble		____/____ Repeater Battery Trouble Restored
	____/____ Repeater AC Failure		____/____ Repeater AC Restored

System Settings

Section	Data	Description	Default
[180]	____/____/____	Installer code lock (Enter **147** to lock code, **000** to unlock code)	*000*
[181]	____/____/____/____/____/____	Installer code (→[4] →[8])	*000000*
[182]	____/____/____/____/____/____	Maintenance code (→[4] →[8])	*111111*
[199]	Reset all programmable sections to factory default values		
[200]	Reset Master code to default (123456)		

Wireless Transmitter Assignment

Wireless transmitter assignment may be done through the console's menu **(**→[4] →[6]**)**. Alternatively, assign the transmitter by entering its serial number in the corresponding section:

Section	Serial Number
[201]	Zone 1: ____/____/____/____/____/____
[202]	Zone 2: ____/____/____/____/____/____
[203]	Zone 3: ____/____/____/____/____/____
[204]	Zone 4: ____/____/____/____/____/____
[205]	Zone 5: ____/____/____/____/____/____
[206]	Zone 6: ____/____/____/____/____/____
[207]	Zone 7: ____/____/____/____/____/____
[208]	Zone 8: ____/____/____/____/____/____
[209]	Zone 9: ____/____/____/____/____/____
[210]	Zone 10: ____/____/____/____/____/____
[211]	Zone 11: ____/____/____/____/____/____
[212]	Zone 12: ____/____/____/____/____/____
[213]	Zone 13: ____/____/____/____/____/____
[214]	Zone 14: ____/____/____/____/____/____
[215]	Zone 15: ____/____/____/____/____/____
[216]	Zone 16: ____/____/____/____/____/____
[217]	Zone 17: ____/____/____/____/____/____
[218]	Zone 18: ____/____/____/____/____/____

Section	Serial Number
[219]	Zone 19: ____/____/____/____/____/____
[220]	Zone 20: ____/____/____/____/____/____
[221]	Zone 21: ____/____/____/____/____/____
[222]	Zone 22: ____/____/____/____/____/____
[223]	Zone 23: ____/____/____/____/____/____
[224]	Zone 24: ____/____/____/____/____/____
[225]	Zone 25: ____/____/____/____/____/____
[226]	Zone 26: ____/____/____/____/____/____
[227]	Zone 27: ____/____/____/____/____/____
[228]	Zone 28: ____/____/____/____/____/____
[229]	Zone 29: ____/____/____/____/____/____
[230]	Zone 30: ____/____/____/____/____/____
[231]	Zone 31: ____/____/____/____/____/____
[232]	Zone 32: ____/____/____/____/____/____
[233]	Wireless Doorbell 1: ____/____/____/____/____/____
[234]	Wireless Doorbell 2: ____/____/____/____/____/____

Wireless Output Assignment

Wireless output assignment may be done through the console's menu (→[4] →[7]). Alternatively, assign the PGM by entering its serial number in the corresponding section:

Section	Serial Number
[235]	PGM1: ____/____/____/____/____/____
[236]	PGM2: ____/____/____/____/____/____

Section	Serial Number
[237]	PGM3: ____/____/____/____/____/____
[238]	PGM4: ____/____/____/____/____/____

Wireless Keypad Assignment

Wireless keypad assignment may be done through the console's menu (→[4] →[8]). Alternatively, assign the keypad by entering its serial number in the corresponding section:

Section	Serial Number
[243]	Keypad 1: ____/____/____/____/____/____
[244]	Keypad 2: ____/____/____/____/____/____

Section	Serial Number
[245]	Keypad 3: ____/____/____/____/____/____
[246]	Keypad 4: ____/____/____/____/____/____

Wireless Repeater Assignment

Wireless repeater assignment may be done through the console's menu (→[4] →[9]). Alternatively, assign the repeater by entering its serial number in the corresponding section:

Section	Serial Number
[247]	Repeater 1: ____/____/____/____/____/____

Section	Serial Number
[248]	Repeater 2: ____/____/____/____/____/____

Wireless Programmable Output (PGM) Settings

Section	Description	Event Group #	Sub-group #	Default
[260]	Wireless PGM1 Activation Event	(____/____)	(____/____)	No event programmed
[261]	Wireless PGM1 Deactivation Event	(____/____)	(____/____)	No event programmed
[262]	Wireless PGM2 Activation Event	(____/____)	(____/____)	No event programmed
[263]	Wireless PGM2 Deactivation Event	(____/____)	(____/____)	No event programmed
[264]	Wireless PGM3 Activation Event	(____/____)	(____/____)	No event programmed
[265]	Wireless PGM3 Deactivation Event	(____/____)	(____/____)	No event programmed
[266]	Wireless PGM4 Activation Event	(____/____)	(____/____)	No event programmed
[267]	Wireless PGM4 Deactivation Event	(____/____)	(____/____)	No event programmed

Refer to *Appendix 1: PGM Event Table* on page 18 for the PGM events that can be used to program Magellan's PGM outputs.

Section	Data	Description	Default
[280]	____/____/____ (000 to 008) †	Wireless PGM1 timer	*000*
[281]	____/____/____ (000 to 008) †	Wireless PGM2 timer	*000*
[282]	____/____/____ (000 to 008) †	Wireless PGM3 timer	*000*
[283]	____/____/____ (000 to 008) †	Wireless PGM4 timer	*000*

† 000 = No delay; 001 = 1s delay; 002 = 5s delay; 003 = 15s delay; 004 = 30s delay; 005 = 1min delay; 006 = 5min delay; 007 = 15min delay; 008 = 30min delay.

Wireless Supervision Options

[290] **Wireless Transmitter Supervision Zone Options ***

Bold = Default setting

Option		OFF	ON
[1]	Zone 1 supervision	☐ Disabled	☐ **Enabled**
[2]	Zone 2 supervision	☐ Disabled	☐ **Enabled**
[3]	Zone 3 supervision	☐ Disabled	☐ **Enabled**
[4]	Zone 4 supervision	☐ Disabled	☐ **Enabled**
[5]	Zone 5 supervision	☐ Disabled	☐ **Enabled**
[6]	Zone 6 supervision	☐ Disabled	☐ **Enabled**
[7]	Zone 7 supervision	☐ Disabled	☐ **Enabled**
[8]	Zone 8 supervision	☐ Disabled	☐ **Enabled**

[291] **Wireless Transmitter Supervision Zone Options ***

Bold = Default setting

Option		OFF	ON
[1]	Zone 9 supervision	☐ Disabled	☐ **Enabled**
[2]	Zone 10 supervision	☐ Disabled	☐ **Enabled**
[3]	Zone 11 supervision	☐ Disabled	☐ **Enabled**
[4]	Zone 12 supervision	☐ Disabled	☐ **Enabled**
[5]	Zone 13 supervision	☐ Disabled	☐ **Enabled**
[6]	Zone 14 supervision	☐ Disabled	☐ **Enabled**
[7]	Zone 15 supervision	☐ Disabled	☐ **Enabled**
[8]	Zone 16 supervision	☐ Disabled	☐ **Enabled**

[292] **Wireless Transmitter Supervision Zone Options ***

Bold = Default setting

Option		OFF	ON
[1]	Zone 17 supervision	☐ Disabled	☐ **Enabled**
[2]	Zone 18 supervision	☐ Disabled	☐ **Enabled**
[3]	Zone 19 supervision	☐ Disabled	☐ **Enabled**
[4]	Zone 20 supervision	☐ Disabled	☐ **Enabled**
[5]	Zone 21 supervision	☐ Disabled	☐ **Enabled**
[6]	Zone 22 supervision	☐ Disabled	☐ **Enabled**
[7]	Zone 23 supervision	☐ Disabled	☐ **Enabled**
[8]	Zone 24 supervision	☐ Disabled	☐ **Enabled**

[293] **Wireless Transmitter Supervision Zone Options ***

Bold = Default setting

Option		OFF	ON
[1]	Zone 25 supervision	☐ Disabled	☐ **Enabled**
[2]	Zone 26 supervision	☐ Disabled	☐ **Enabled**
[3]	Zone 27 supervision	☐ Disabled	☐ **Enabled**
[4]	Zone 28 supervision	☐ Disabled	☐ **Enabled**
[5]	Zone 29 supervision	☐ Disabled	☐ **Enabled**
[6]	Zone 30 supervision	☐ Disabled	☐ **Enabled**
[7]	Zone 31 supervision	☐ Disabled	☐ **Enabled**
[8]	Zone 32 supervision	☐ Disabled	☐ **Enabled**

* For UL installations, all programmed wireless zones must be supervised. For any wireless Fire zones in UL installations, the supervision option must be enabled (section **[094]** options **[6]** & **[7]**) and the check-in supervision time must be set at 80 minutes (section **[096]** option **[7]**).

[294] **Wireless PGM Supervision Options**

Bold = Default setting

Option		OFF	ON
[1]	Wireless PGM1 supervision	☐ Disabled	☐ **Enabled**
[2]	Wireless PGM2 supervision	☐ Disabled	☐ **Enabled**
[3]	Wireless PGM3 supervision	☐ Disabled	☐ **Enabled**
[4]	Wireless PGM4 supervision	☐ Disabled	☐ **Enabled**
[5] to [8]	Future Use		

[295] **Wireless Keypad Supervision Options**

Bold = Default setting

Option		OFF	ON
[1]	Wireless Keypad 1 supervision	☐ Disabled	☐ **Enabled**
[2]	Wireless Keypad 2 supervision	☐ Disabled	☐ **Enabled**
[3]	Wireless Keypad 3 supervision	☐ Disabled	☐ **Enabled**
[4]	Wireless Keypad 4 supervision	☐ Disabled	☐ **Enabled**
[5] to [8]	Future Use		

[296] **Wireless Repeater Supervision Options**

Bold = Default setting

Option		OFF	ON
[1]	Wireless Repeater 1 supervision	☐ Disabled	☐ **Enabled**
[2]	Wireless Repeater 2 supervision	☐ Disabled	☐ **Enabled**
[3] to [8]	Future Use		

[297]	**Wireless PGM Console Supervision Options (Follow Alarm/Follow Bell)**		**Bold** = Default setting
	Option	**OFF**	**ON**
	[1] PGM1 console supervision	☐ Disabled	☐ **Enabled**
	[2] PGM2 console supervision	☐ Disabled	☐ **Enabled**
	[3] PGM3 console supervision	☐ Disabled	☐ **Enabled**
	[4] PGM4 console supervision	☐ Disabled	☐ **Enabled**
	[5] to [8] Future Use		

Wireless Repeater Options

Wireless Repeater Options		**Bold** = Default setting	**MG-RPT1 #1 [300]**		**MG-RPT1 #2 [306]**	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 1 Signals		☐	☐	☐	☐
[2]	Repeat Wireless Zone 2 Signals		☐	☐	☐	☐
[3]	Repeat Wireless Zone 3 Signals		☐	☐	☐	☐
[4]	Repeat Wireless Zone 4 Signals		☐	☐	☐	☐
[5]	Repeat Wireless Zone 5 Signals		☐	☐	☐	☐
[6]	Repeat Wireless Zone 6 Signals		☐	☐	☐	☐
[7]	Repeat Wireless Zone 7 Signals		☐	☐	☐	☐
[8]	Repeat Wireless Zone 8 Signals		☐	☐	☐	☐

Wireless Repeater Options		**Bold** = Default setting	**MG-RPT1 #1 [301]**		**MG-RPT1 #2 [307]**	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 9 Signals		☐	☐	☐	☐
[2]	Repeat Wireless Zone 10 Signals		☐	☐	☐	☐
[3]	Repeat Wireless Zone 11 Signals		☐	☐	☐	☐
[4]	Repeat Wireless Zone 12 Signals		☐	☐	☐	☐
[5]	Repeat Wireless Zone 13 Signals		☐	☐	☐	☐
[6]	Repeat Wireless Zone 14 Signals		☐	☐	☐	☐
[7]	Repeat Wireless Zone 15 Signals		☐	☐	☐	☐
[8]	Repeat Wireless Zone 16 Signals		☐	☐	☐	☐

Wireless Repeater Options		**Bold** = Default setting	**MG-RPT1 #1 [302]**		**MG-RPT1 #2 [308]**	
Option			OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 17 Signals		☐	☐	☐	☐
[2]	Repeat Wireless Zone 18 Signals		☐	☐	☐	☐
[3]	Repeat Wireless Zone 19 Signals		☐	☐	☐	☐
[4]	Repeat Wireless Zone 20 Signals		☐	☐	☐	☐
[5]	Repeat Wireless Zone 21 Signals		☐	☐	☐	☐
[6]	Repeat Wireless Zone 22 Signals		☐	☐	☐	☐
[7]	Repeat Wireless Zone 23 Signals		☐	☐	☐	☐
[8]	Repeat Wireless Zone 24 Signals		☐	☐	☐	☐

Wireless Repeater Options	**Bold** = Default setting	**MG-RPT1 #1 [303]**		**MG-RPT1 #2 [309]**	
Option		OFF	ON	OFF	ON
[1]	Repeat Wireless Zone 25 Signals	☐	☐	☐	☐
[2]	Repeat Wireless Zone 26 Signals	☐	☐	☐	☐
[3]	Repeat Wireless Zone 27 Signals	☐	☐	☐	☐
[4]	Repeat Wireless Zone 28 Signals	☐	☐	☐	☐
[5]	Repeat Wireless Zone 29 Signals	☐	☐	☐	☐
[6]	Repeat Wireless Zone 30 Signals	☐	☐	☐	☐
[7]	Repeat Wireless Zone 31 Signals	☐	☐	☐	☐
[8]	Repeat Wireless Zone 32 Signals	☐	☐	☐	☐

Wireless Repeater Options	**Bold** = Default setting	**MG-RPT1 #1 [304]**		**MG-RPT1 #2 [310]**	
Option		OFF	ON	OFF	ON
[1]	Repeat Wireless 2-Way PGM 1 Signals	☐	☐	☐	☐
[2]	Repeat Wireless 2-Way PGM 2 Signals	☐	☐	☐	☐
[3]	Repeat Wireless 2-Way PGM 3 Signals	☐	☐	☐	☐
[4]	Repeat Wireless 2-Way PGM 4 Signals	☐	☐	☐	☐
[5] to [8]	Future Use	☐	☐	☐	☐

Wireless Repeater Options	**Bold** = Default setting	**MG-RPT1 #1 [305]**		**MG-RPT1 #2 [311]**	
Option		OFF	ON	OFF	ON
[1]	Repeat Wireless Keypad 1 Signals	☐	☐	☐	☐
[2]	Repeat Wireless Keypad 2 Signals	☐	☐	☐	☐
[3]	Repeat Wireless Keypad 3 Signals	☐	☐	☐	☐
[4]	Repeat Wireless Keypad 4 Signals	☐	☐	☐	☐
[5]	Repeat Doorbell 1 Signals	☐	☐	☐	☐
[6]	Repeat Doorbell 2 Signals	☐	☐	☐	☐
[7] & [8]	Future Use	☐	☐	☐	☐

Appendix 1: PGM Event Table

Event Group #	Sub-group #
00 = Zone closed *01 = Zone opened*	01 to 32 = Zone number 99 = Any zone number
02 = System status	00 = N/A 01 = N/A 02 = Silent alarm 03 = Buzzer alarm 04 = Steady alarm 05 = Pulsed alarm 06 = Strobe 07 = Siren stopped 08 = Squawk ON* 09 = Squawk OFF* 10 = Ground start 11 = System disarmed 12 = System armed 13 = Entry delay engaged 99 = Any system status event
03 = Bell status	00 = Bell OFF 01 = Bell ON 02 = Bell Squawk Arm 03 = Bell Squawk Disarm
04 = Future use	Future use
05 = Non-reportable event	00 = Telephone line trouble 01 = Future use 02 = Arm with no entry delay 03 = Arm in Stay mode 04 = Arm in Force mode 05 = Full arm when armed in Stay mode 06 = PC fail to communicate 07 = Future use 08 = Future use
* Squawk ON/OFF is similar to Bell ON/OFF except it follows the arming/disarming even if section [093] option [3] is disabled (no bell squawk when arming/disarming with remote control). These 2 events are used to activate/deactivate a light, strobe, or any other PGM with squawk activation/deactivation capabilities.	
05 = Non-reportable event (cont.)	09 = Doorbell 1 battery trouble 10 = Doorbell 1 battery trouble restore 11 = Doorbell 2 battery trouble 12 = Doorbell 2 battery trouble restore 13 = Utility Key 1 pressed (keys **[1]** and **[9]** from the center keypad) 14 = Utility Key 2 pressed (keys **[2]** and **[10]** from the center keypad) 15 = Utility Key 3 pressed (keys **[3]** and **[11]** from the center keypad) 16 = Utility Key 4 pressed (keys **[4]** and **[12]** from the center keypad) 17 = Utility Key 5 pressed (keys **[5]** and **[13]** from the center keypad) 18 = Utility Key 6 pressed (keys **[6]** and **[14]** from the center keypad) 19 = Utility Key 7 pressed (keys **[7]** and **[15]** from the center keypad) 20 = Utility Key 8 pressed (keys **[8]** and **[16]** from the center keypad) 21 = User remote access granted (MG-6160 only) 22 = User remote access denied (MG-6160 only) 23 = Tamper generated alarm 24 = Supervision loss generated alarm 99 = Any non-reportable event
06 = Remote access *07 = PGM activation (Remote control button option "B"; see page 5)* *08 = PGM activation (Remote control button option "C"; see page 5)*	01 to 16 = User number 99 = Any user number
09 = Cold Start zone	01 to 32 = Zone number 99 = Any zone number
10 = Future use	Future use
11 = Smoke Maintenance signal	01 to 32 = Zone number 99 = Any zone number

Event Group #	Sub-group #
12 = Delay zone alarm transmission	01 to 32 = Zone number 99 = Any zone number
13 = Arming with user	01 to 32 = User number 99 = Any user number
14 = Special arming	00 = Auto-arming 01 = Late to close 02 = No movement arming 03 = Partial arming 04 = Quick arming 05 = Arming through WinLoad 99 = Any special arming event
15 = Disarming with user *16 = Disarm after alarm with user ** *17 = Alarm cancelled with user ***	01 to 16 = User number 99 = Any user number
18 = Special disarming	00 = Auto-arm cancelled 01 = Disarm through WinLoad 02 = Disarm through WinLoad after alarm * 03 = Alarm cancelled through WinLoad ** 04 = Non-medical alarm cancelled 99 = Any special disarming event
19 = Zone bypassed *20 = Zone in alarm* *21 = Fire alarm* *22 = Zone alarm restore* *23 = Fire alarm restore*	01 to 32 = Zone number 99 = Any zone number
24 = Special alarm	00 = Panic non-medical emergency 01 = Panic medical (this medical panic alarm is not UL approved) 02 = Panic fire 03 = Recent closing 04 = Global shutdown 05 = Duress alarm (User 16) 99 = Any special alarm event
25 = Zone shutdown *26 = Zone tampered* *27 = Zone tamper restore*	01 to 32 = Zone number 99 = Any zone number
28 = New trouble	00 = N/A 01 = AC failure 02 = Battery failure 03 = Clock loss 04 = Console tamper 05 = Fail to communicate to monitoring station 06 = Fail to communicate to voice report 07 = Fail to communicate to pager 08 = RF jamming supervision 99 = Any new trouble event
29 = Trouble restored	00 = Telephone line restored 01 = AC failure 02 = Battery failure 03 = Clock lost 04 = Console tamper restore 05 = N/A 06 = N/A 07 = N/A 08 = RF jamming restore 99 = Any trouble restore event
30 = Low battery on zone *31 = Low battery on zone restore* *32 = Zone supervision trouble* *33 = Zone supervision restored*	01 to 32 = Zone number 99 = Any zone number

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

Event Group #	Sub-group #
34 = Special	00 = System power up 01 = Reporting test 02 = WinLoad logon 03 = WinLoad logoff 04 = Installer in programming mode 05 = Installer exited programming mode 06 = Closing delinquency delay elapsed 99 = Any special event
35 = Non-medical alarm	01 to 16 = User number 99 = Any user number
36 = Zone triggered a utility report *37 = Signal strength weak 1* *38 = Signal strength weak 2* *39 = Signal strength weak 3* *40 = Signal strength weak 4*	01 to 32 = Zone number 99 = Any zone number
41 & 42 = Reserved	Reserved
43 = PGM supervision lost *44 = PGM supervision restored* *45 = PGM tampered* *46 = PGM tamper restored*	01 to 04 = PGM number 99 = Any PGM number
47 = Wireless keypad supervision lost *48 = Wireless keypad supervision restored* *49 = Wireless keypad battery trouble* *50 = Wireless keypad battery trouble restored* *51 = Wireless keypad AC failure* *52 = Wireless keypad AC failure restored*	01 to 04 = Keypad number 99 = Any keypad number
53 = Wireless repeater supervision lost *54 = Wireless repeater supervision restored* *55 = Wireless repeater battery trouble* *56 = Wireless repeater battery trouble restored* *57 = Wireless repeater AC failure* *58 = Wireless repeater AC failure restored*	01 to 02 = Repeater number 99 = Any repeater number
80 = Fire delay started *81= Fire delay cancelled*	01 to 32 = Zone number 99 = Any zone number
82 = PGM cold start	01 to 04 = PGM number 99 = Any PGM number
83 = Keypad cold start	01 to 04 = Keypad number 99 = Any keypad number
84 = Repeater cold start	01 to 02 = Repeater number 99 = Any repeater number

Appendix 2: Specifications

Input Voltage	12Vac to 16Vac* 20VA or 12Vdc to 18Vdc 1A
Max. Current Consumption	1A
Backup Battery	7.2Vdc NiMH rechargeable battery pack (order # 0780100178)
2 PGMs	PGM1: N.O. solid-state relay (not polarized); Internal resistance 16 Ω (max.): Max. handling current 100mA PGM2: One low powered open-collector; Max. handling current 50mA
Standby Battery Life	Minimum 24 hours
Temperature Range	0°C to 50°C (32°F to 122°F)
Auxiliary Output	When using an AC or DC power source, the auxiliary output provides 13.8V (200mA maximum)†
Approvals	

**** It is recommended that you use a 12Vac 1A transformer to power the Magellan console. The console will generate less heat when connected to a 12Vac transformer than when connected to a 16.5Vac transformer.***
† To achieve this value, use a minimum of 15Vdc.

Appendix 3: Connection Diagrams

Power Connections

Figure 2: Connecting the AC Transformer

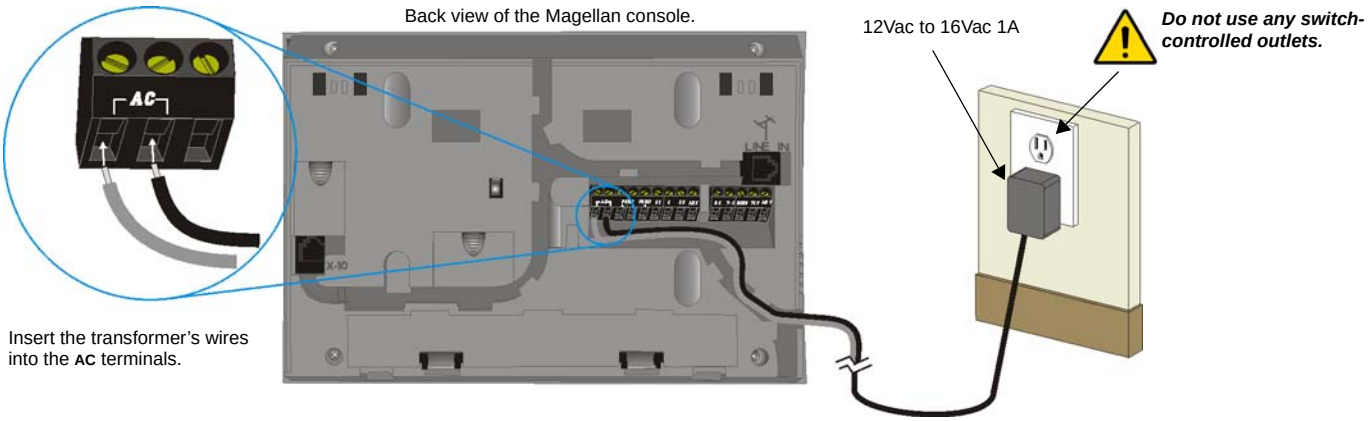


Figure 3: Connecting the DC Power Supply

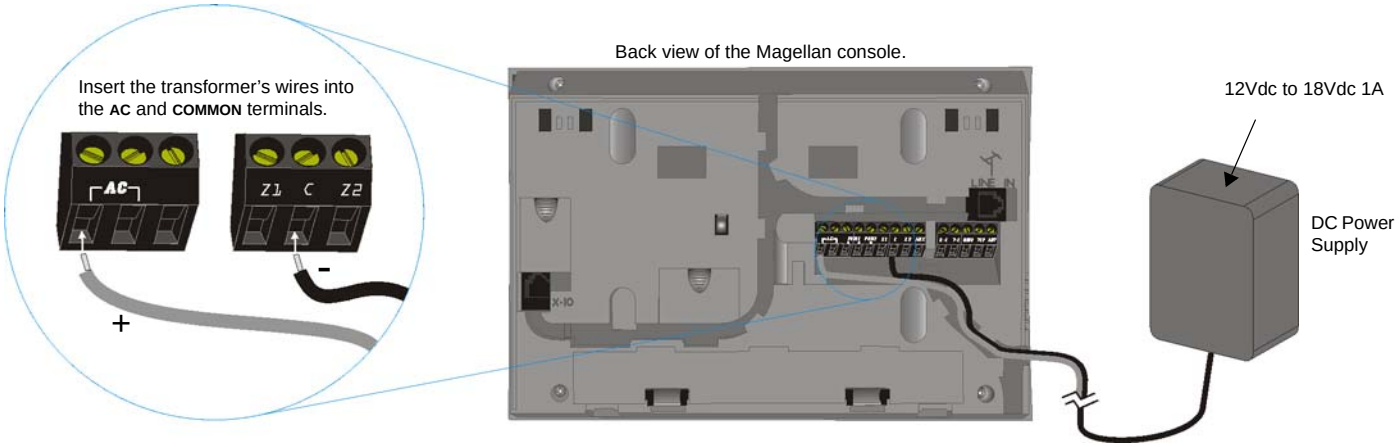
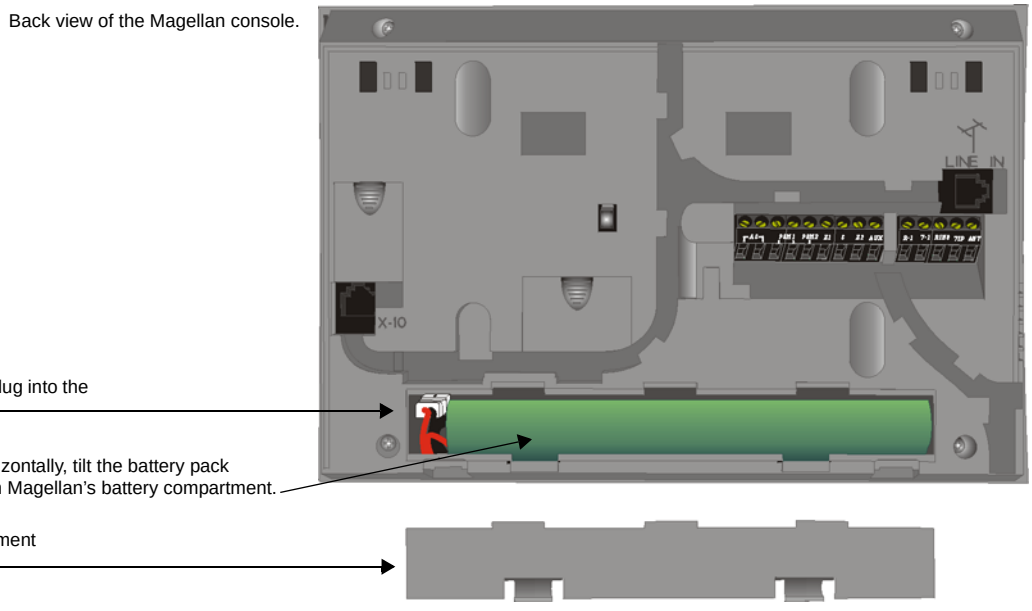


Figure 4: Connecting the Battery



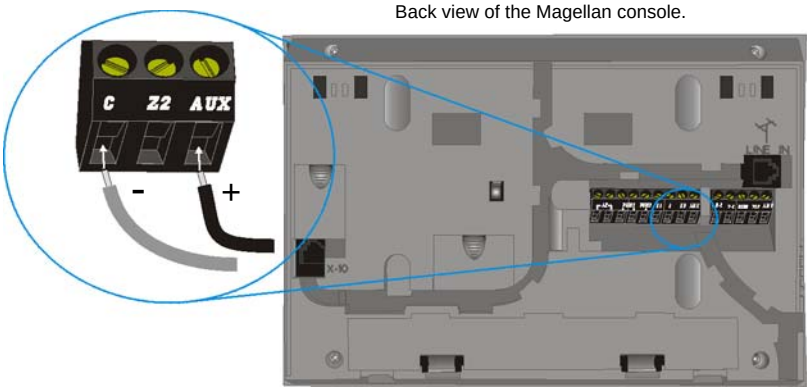
1. Insert the backup battery's plug into the connector labelled **BATT**.
2. Slide in the battery pack horizontally, tilt the battery pack downward and then tuck it in Magellan's battery compartment.
3. Snap in the battery compartment cover when finished.

To order a battery pack, the battery pack's part number is: Paradox #0780100178.

Figure 5: Auxiliary Output

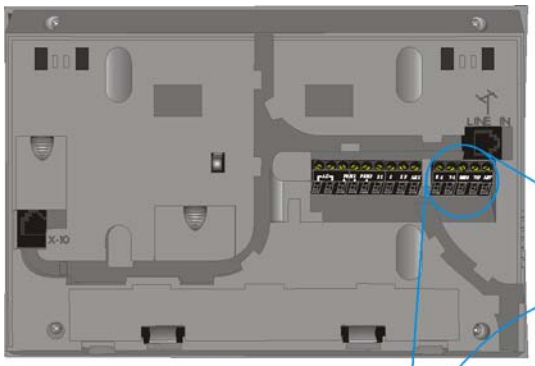
13.8Vdc, 200mA Auxiliary Output

Back view of the Magellan console.



Telephone Line Connections

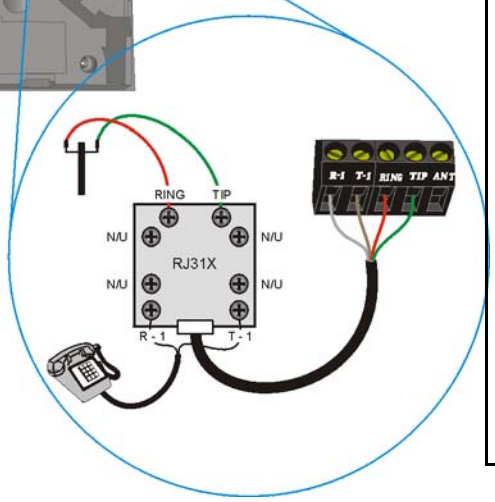
Figure 6: Telephone Line Direct Connect



Back view of the Magellan console.

To connect the telephone line directly to the console:

1. Connect a RJ31X to the **R-1**, **T-1**, **RING** and **TIP** terminals as shown at right.
2. Connect the telephone company wires and the home telephone to the RJ31X.



Telephone Line Connection Note

The Magellan console must be able to seize the telephone line and place a call in an emergency situation. It must be able to do this even if other equipment (telephones, answering machines, computer modems, etc.) already has the line in use. To do so, the Magellan console must be connected to a properly installed RJ31X (or RJ38X) jack that is electrically in series with and ahead of all other equipment attached to the same telephone line. Proper installation is depicted in the diagram below. If you have any questions concerning these instructions, you should consult your telephone company or a qualified installer about installing the RJ31X (or RJ38X) jack and the Magellan console for you.

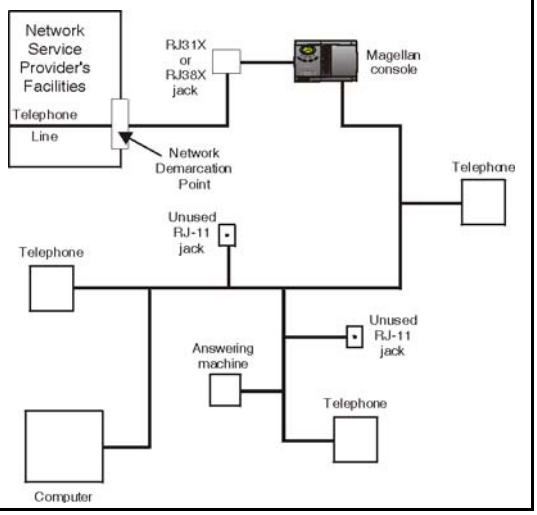
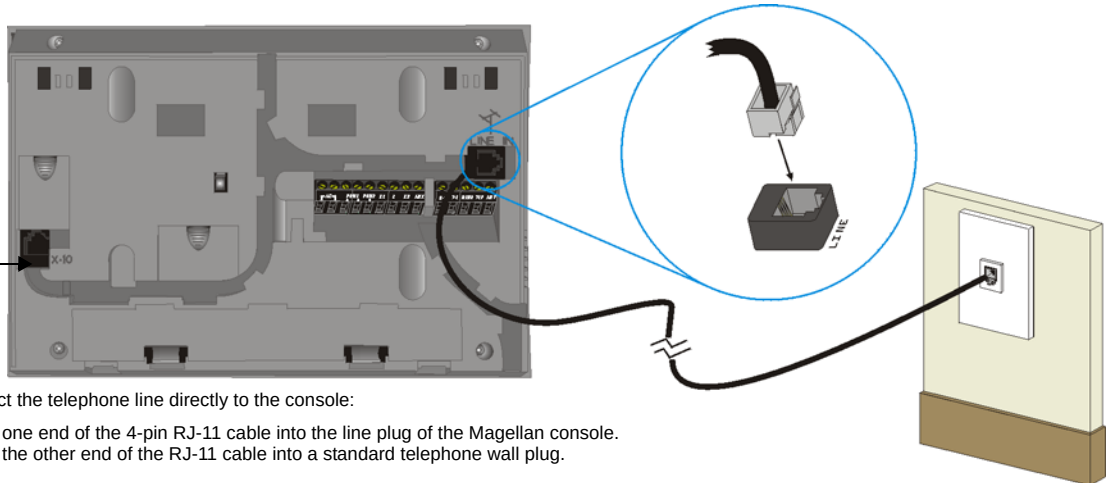


Figure 7: Line Plug Connection

Back view of the Magellan console.



Do not connect the RJ-11 cable into this plug.

To connect the telephone line directly to the console:

1. Insert one end of the 4-pin RJ-11 cable into the line plug of the Magellan console.
2. Insert the other end of the RJ-11 cable into a standard telephone wall plug.

PGM Connections

Figure 8: PGM1 Connections

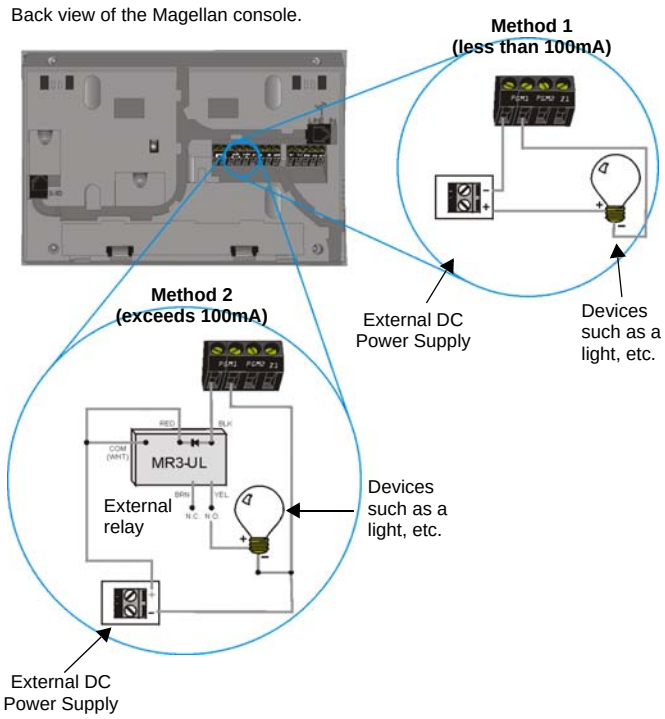
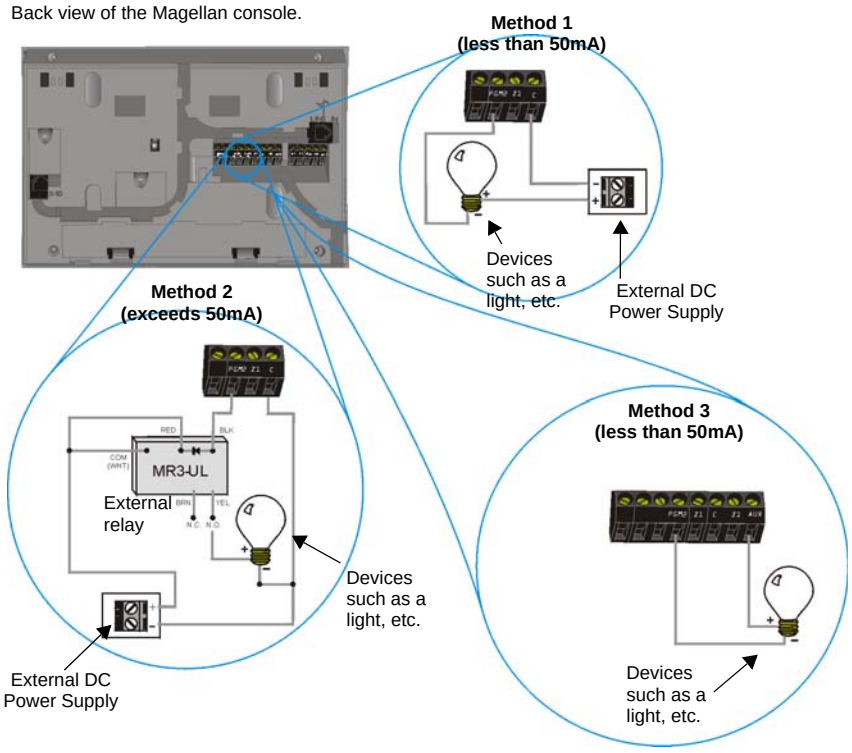
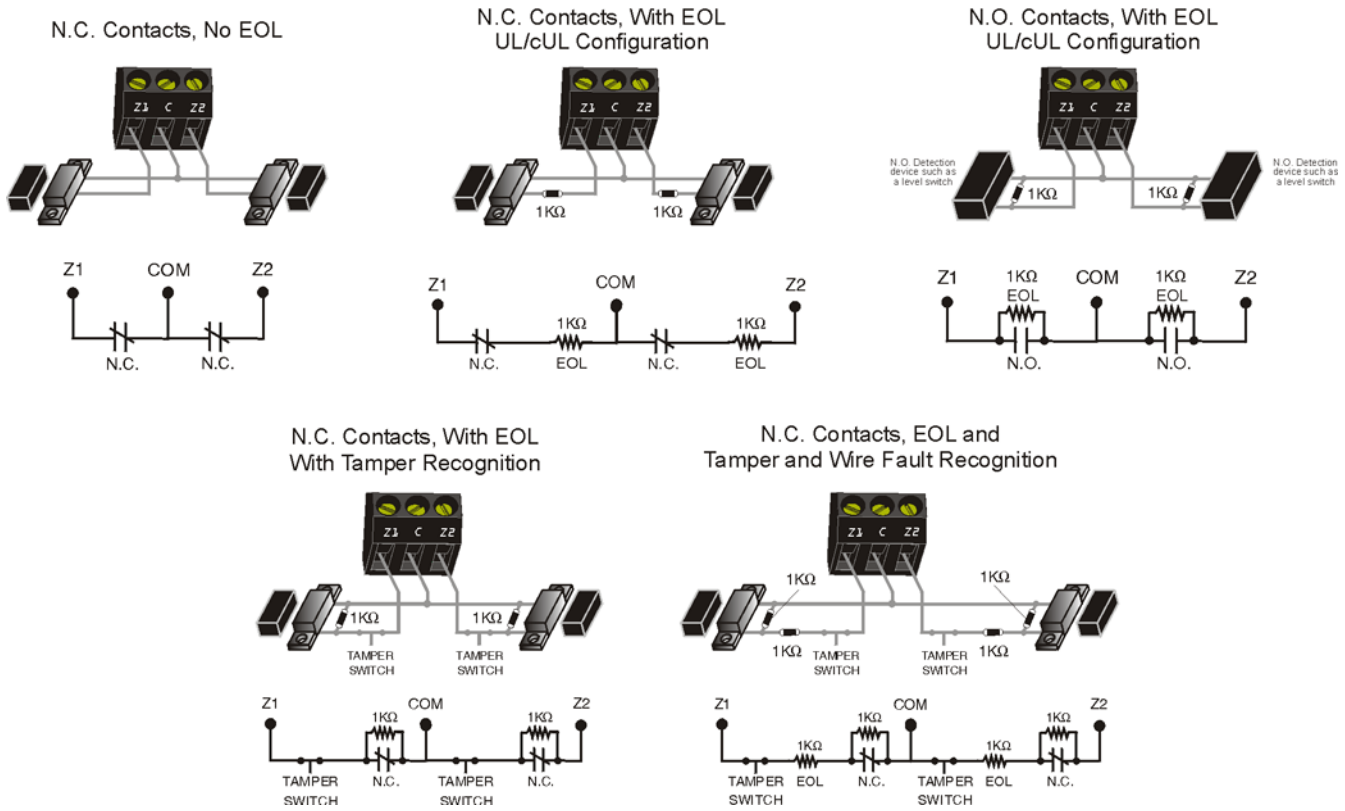


Figure 9: PGM2 Connections



Hardwire Zone Connections

Figure 10: Hardwire Zone Connections

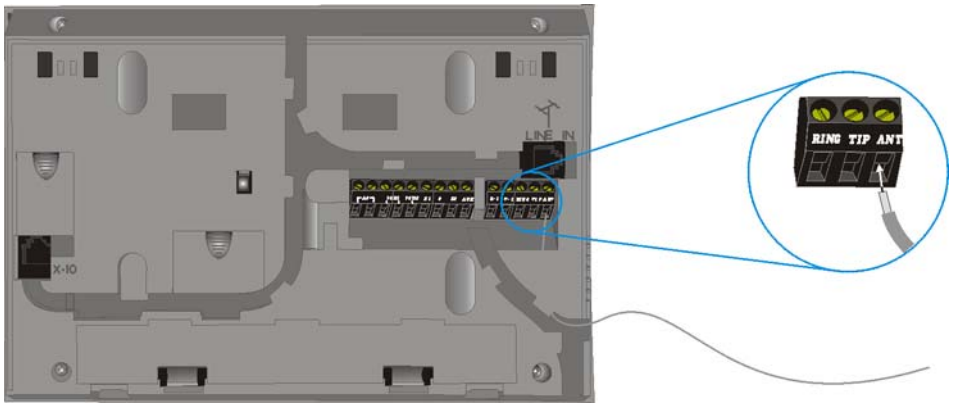


Connecting the Radio Antenna (MG-6160 only)

Figure 11: Connecting the Radio Antenna

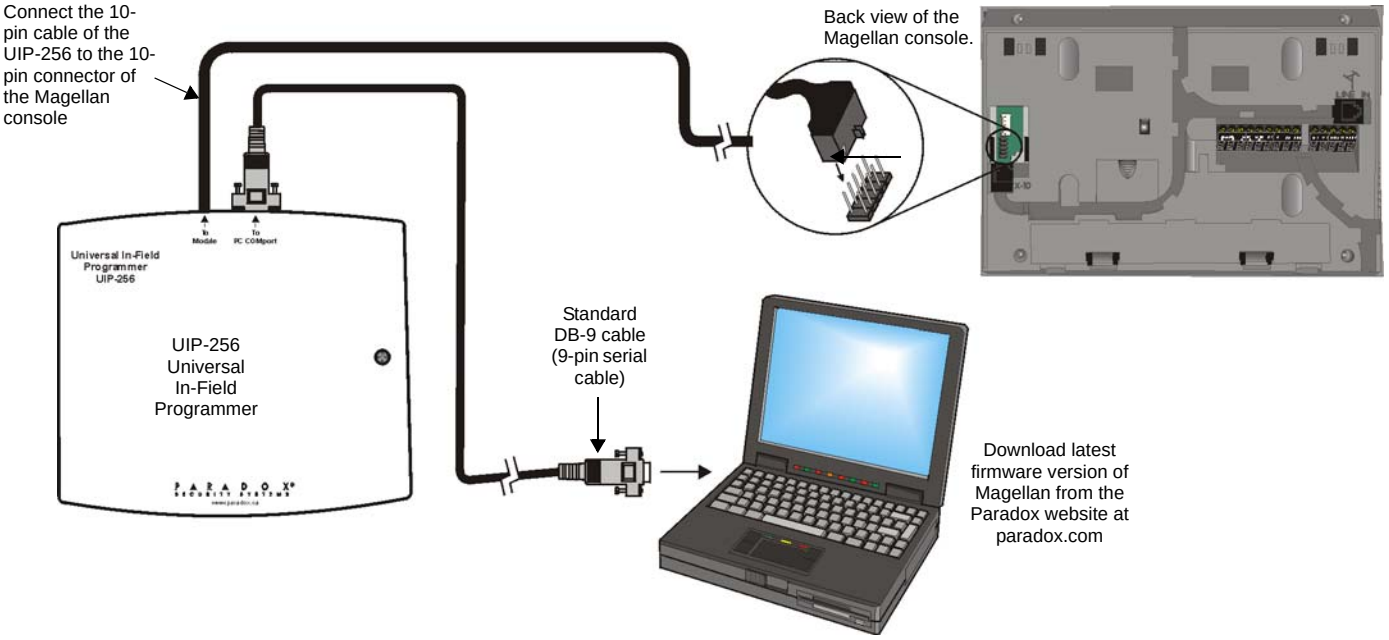
Back view of the Magellan console.

If the radio reception is not very good, connect the supplied radio antenna to the **ANT** terminal of the Magellan console. Move the antenna around until the spot with the best reception is found.



Connecting to a UIP-256

Figure 12: Connecting to a UIP-256 Universal In-Field Programmer



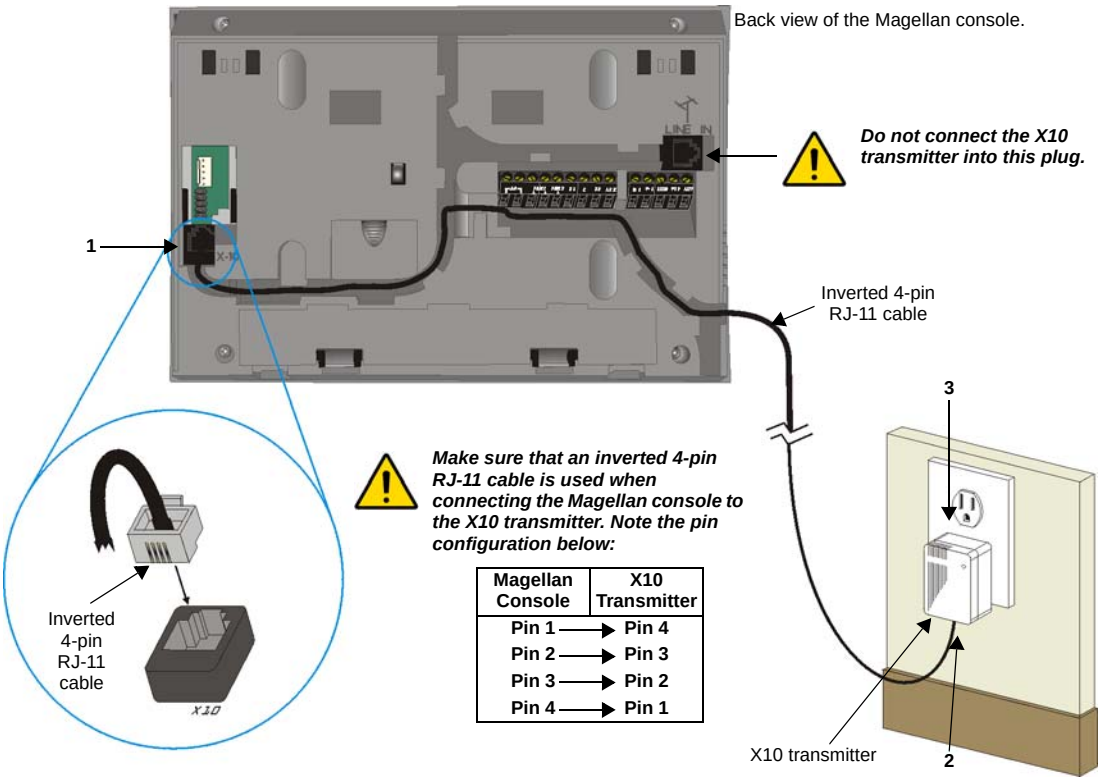
X10 Transmitter Connections (MG-6160 only)

Figure 13: Connecting the X10 Transmitter

1. Connect one end of the inverted 4-pin RJ-11 cable into the **X10** plug of the console.
2. Connect the other end of the inverted 4-pin RJ-11 cable into the X10 transmitter.
3. Plug the X10 transmitter into a standard wall outlet.

For information on programming the X10 features of Magellan, refer to the X10 Operation User Guide which can be found and downloaded for free from our Web site at paradox.com.

X10 devices (transmitters, modules, etc.) are not supplied and cannot be purchased through Paradox Security Systems Ltd.

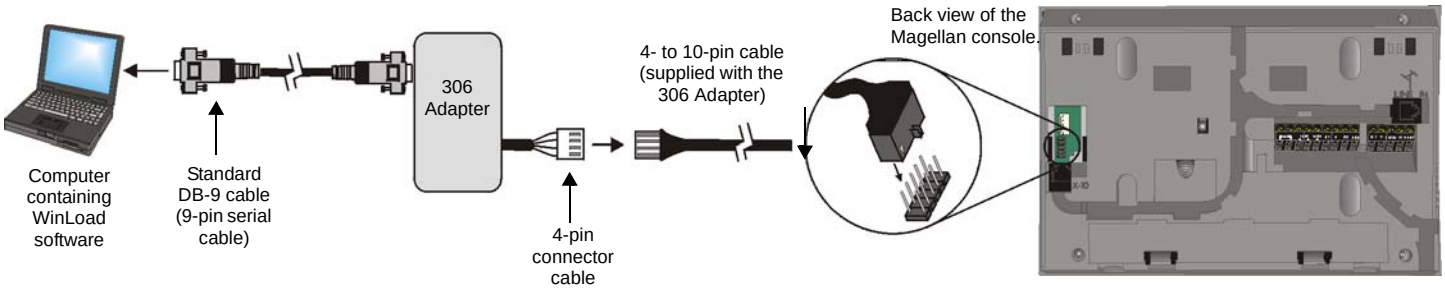


Make sure that an inverted 4-pin RJ-11 cable is used when connecting the Magellan console to the X10 transmitter. Note the pin configuration below:

Magellan Console	X10 Transmitter
Pin 1 →	Pin 4
Pin 2 →	Pin 3
Pin 3 →	Pin 2
Pin 4 →	Pin 1

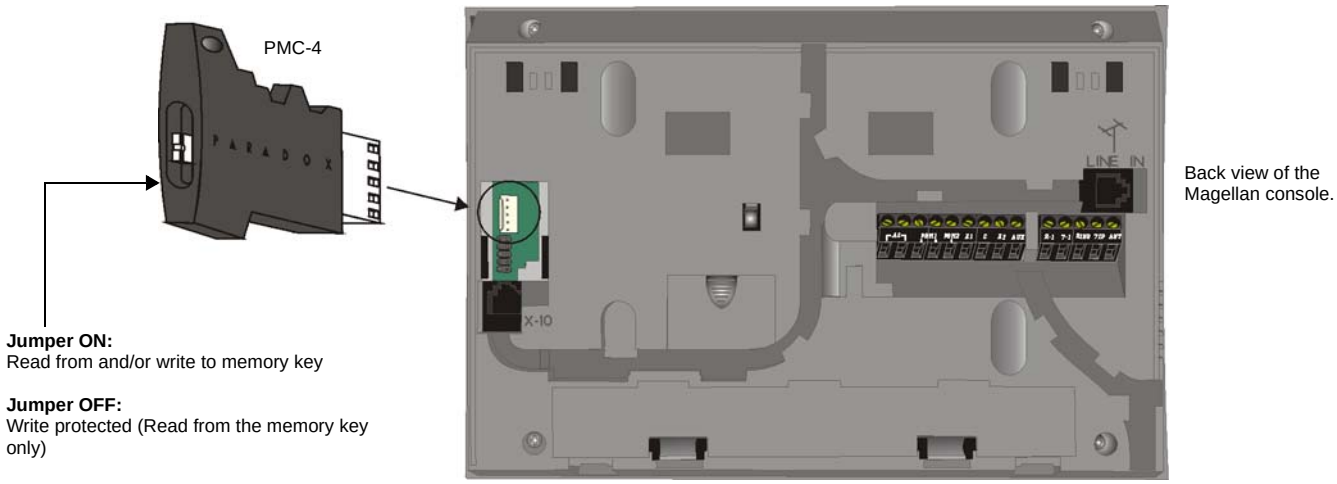
Connecting Magellan to WinLoad

Figure 14: Connecting Magellan to WinLoad



Connecting a Paradox Memory Key (PMC-4)

Figure 15: Connecting a Paradox Memory Key (PMC-4)



Download Data to *Destination* Console

To download the data of a memory key into a console:

1. Remove power from the Magellan console (AC and battery) and connect the memory key to the 5-pin connector on the left side of the back of the console as shown above.
2. Re-apply both AC and battery power to the console.
3. Press the **[OK]** key and Magellan will begin downloading the data from the memory key.

Copy Data to Memory Key from *Source* Console

To copy the contents of a console into the memory key.

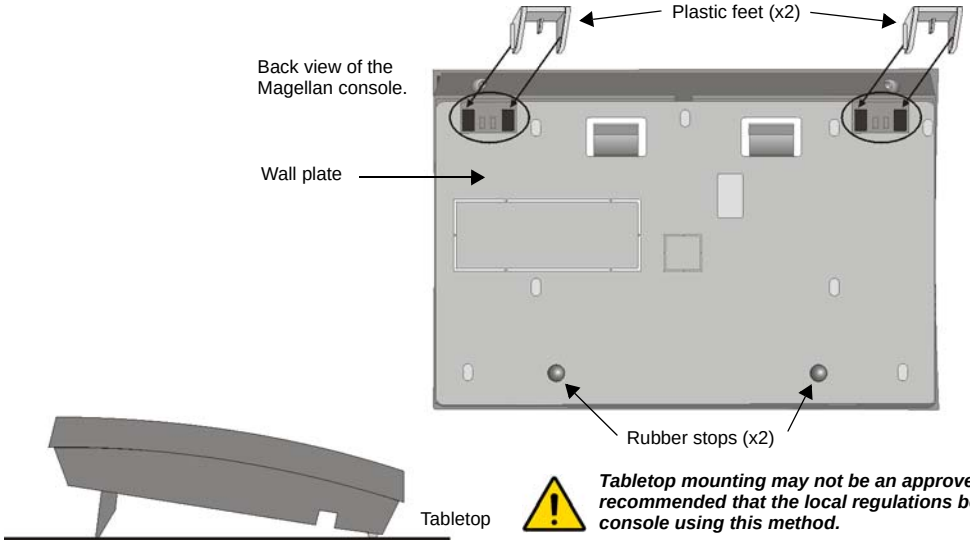
1. Remove power from the Magellan console (AC and battery) and connect the memory key to the 5-pin connector on the left side of the back of the console as shown above. Re-apply both AC and battery power to the console.
2. Press the **[NEXT]** key and then the **[OK]** key. Magellan will begin copying its data into the memory key.

The installer code of the Magellan console used to download data <u>to</u> the memory key must be the same installer code programmed in the Magellan console that is to download the contents <u>from</u> the same memory key. If the installer codes do not match, the contents of the memory key cannot be downloaded into the receiving console.

Example: The contents of the Magellan console A will be copied into memory key B. The installer code for console A is 111111. In order to download the contents of memory key B into the Magellan console C, the installer code programmed in console C must also be 111111.

Tabletop Mounting

Figure 16: Tabletop Mounting



To mount the Magellan console on a tabletop the wall plate has to be inserted beforehand:

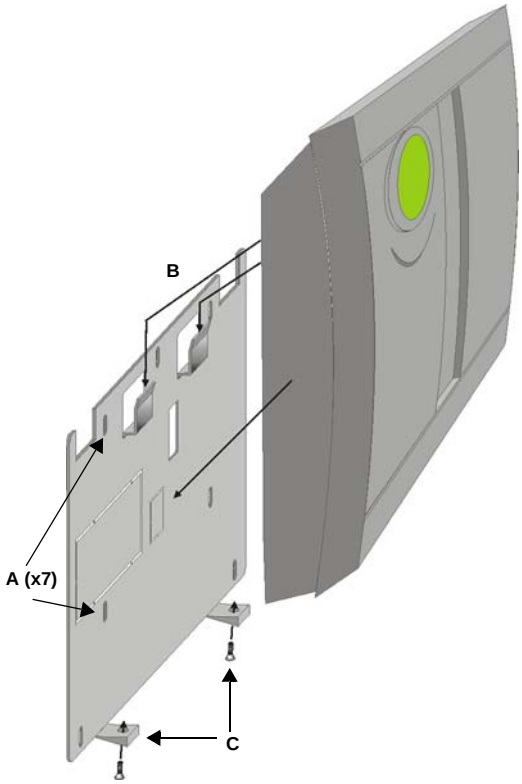
1. Slide the wall plate's tabs labeled **B** into the Magellan console's open slots labeled **D** (see Figure 17 on page 27).
2. Insert two screws (included) through the wall plate's screw holes labeled **C** into holes labeled **E** in the Magellan console (see Figure 17 on page 27).
3. Insert the two plastic feet (included) into the appropriate holes on the back plate of the Magellan console as shown at left.
4. Attach the two rubber stops (included) to the lower edge of the wall plate as shown at left.

The plastic feet are used to raise the Magellan console to a slight angle for easy viewing while the rubber stops prevent the console from sliding when Magellan is being used.

Tabletop mounting may not be an approved installation method by local regulations. It is recommended that the local regulations be verified prior to installing the Magellan console using this method.

Mounting Magellan on the Wall

Figure 17: Mounting Magellan onto the Wall Plate



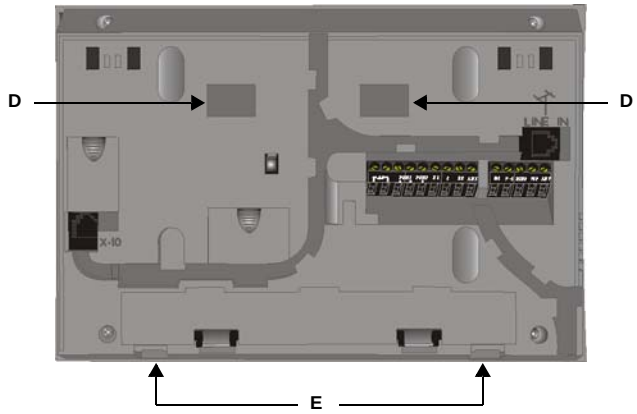
To mount the wall plate:

1. Place the wall plate on the desired spot of the wall.
2. Drill and insert the screws into the holes labeled **A** at left.

To mount the Magellan console:

1. Place the console back plate flush against the mounted wall plate.
2. Slide the Magellan's open slots labeled **D** (see Inset 1 below) onto the wall plate's tabs labeled **B**.
3. Gently apply downward pressure to insert the wall plate's tabs into Magellan's open slots.
4. Insert two screws through the wall plate's screw holes labeled **C** and into Magellan's back plate screw holes labeled **E** (see Inset 1 below). This will secure the console to the wall.

Inset 1: Magellan's Backplate



Appendix 4: Ademco Contact ID Report Codes

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

CID#	Reporting Code	Programming Value
387	Intrusion detector Hi sensitivity	**75**
388	Intrusion detector Low sensitivity	**76**
389	Sensor self-test failure	**77**
391	Sensor watch trouble	**78**
392	Drift compensation error	**79**
393	Maintenance alert	**7A**
Open/Close - 400		
400	Open/Close	**7B**
401	Open/Close by user	**7C**
402	Group open/close	**7D**
403	Automatic open/close	**7E**
404	Late to open/close	**5E**
405	Deferred open/close	**5F**
406	Cancel	**7F**
407	Remote arm/disarm	**80**
408	Quick arm	**81**
409	Keyswitch open/close	**82**
Remote Access - 410		
411	Call back request made	**83**
412	Success - download access	**84**
413	Unsuccessful access	**85**
414	System shutdown	**86**
415	Dialer shutdown	**87**
416	Successful upload	**88**
Access Control - 420 and 430		
421	Access denied	**89**
422	Access report by user	**8A**
423	Forced access	**8B**
424	Egress denied	**8C**
425	Egress granted	**8D**
426	Access door propped open	**8E**
427	Access point door status monitor trouble	**8F**
428	Access point request to exit	**90**
429	Access program mode entry	**91**
430	Access program mode exit	**92**
431	Access threat level change	**93**
432	Access relay/trigger fail	**94**
433	Access RTE shunt	**95**
434	Access DSM shunt	**96**
Arming - 440 and 450		
441	Armed Stay	**97**
442	Keyswitch armed Stay	**98**
450	Exception open/close	**99**

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

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

Appendix 5: Automatic Report Code List

System Event	Default Contact ID Report Code when using sections [790] to [795]	Default SIA Report Code when using sections [790] to [795]
Arming with Master Code (##)	3 4A1 - Close by user	CL - Closing Report
Arming with User Code (##)	3 4A1 - Close by user	CL - Closing Report
Arming with Keyswitch (##)	3 4A9 - Keyswitch Close	CS - Closing Keyswitch
Auto Arming	3 4A3 - Automatic Close	CA - Automatic Closing
Arm with PC software	3 4A7 - Remote arm/disarm	CL - Closing Report
Late To Close	3 4A4 - Late to Close	OT - Late to Close
No Movement	3 4A4 - Late to Close	NA - No Activity
Partial arming	1 574 - Group bypass	CG - Close Area
Quick arming	3 408 - Quick arm	CL - Closing Report
Closing Delinquency	1 654 - System Inactivity	CD - System Inactivity
Disarm with Master Code (##)	1 4A1 - Open by user	OP - Opening Report
Disarm with User Code (##)	1 4A1 - Open by user	OP - Opening Report
Disarm with Keyswitch (##)	1 4A9 - Keyswitch Open	OS - Opening Keyswitch
Disarm after alarm* with Master Code (##)	1 4A1 - Open by user	OP - Opening Report
Disarm after alarm* with User Code (##)	1 4A1 - Open by user	OP - Opening Report
Disarm after alarm* with Keyswitch (##)	1 4A1 - Keyswitch Open	OS - Opening Keyswitch
Cancel alarm** with Master Code (##)	1 4A6 - Open by user	OR - Disarm from Alarm
Cancel alarm** with User Code (##)	1 4A6 - Open by user	OR - Disarm from Alarm
Cancel alarm** with Keyswitch (##)	1 4A6 - Keyswitch Open	OS - Opening Keyswitch
Auto Arming Cancellation	1 4A5 - Deferred Open/Close	CE - Closing Extend
Disarm with PC software	1 4A7 - Remote arm/disarm	OP - Opening Report
Disarm after an alarm with PC software	1 4A7 - Remote arm/disarm	OR - Disarm From Alarm
Quick disarm	1 408 - Quick disarm	OP - Opening Report
Zone Bypassed (##)	1 57A - Zone bypass	UB - Untyped Zone Bypass
Zone alarm (##)	1 13A - Burglary Alarm	BA - Burglary Alarm
Fire alarm (##)	1 11A - Fire alarm	FA - Fire Alarm
Zone alarm restore (##)	3 13A - Burglary Alarm Restore	BH - Burglary Alarm Restore
Fire alarm restore (##)	3 11A - Fire alarm Restore	FH - Fire Alarm Restore
Panic 1 - Emergency	1 12A - Panic alarm	PA - Panic Alarm
Panic 2 - Medical	1 1AA - Medical alarm	MA - Medical Alarm
Panic 3 - Fire	1 115 - Pull Station	FA - Fire Alarm
Recent closing	3 4AA - Open/Close	CR - Recent Closing
Global zone shutdown	1 574 - Group bypass	CG - Close Area
Duress alarm	1 121 - Duress	HA - Hold-up Alarm
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
Keypad Lockout	1 421 - Access denied	JA - User Code Tamper

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

System Event	Default Contact ID Report Code when using sections [790] to [795]	Default SIA Report Code when using sections [790] to [795]
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
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
Combus fault	1 333 - Expansion module failure	ET - Expansion Trouble
Module tamper	1 145 - Expansion module tamper	TA - Tamper Alarm
Module ROM_RAM_error	1 3A4 - Rom checksum bad	YF - Parameter Checksum Fail
Module TLM trouble	1 352 - Telco 2 fault	LT - Phone Line trouble
Module fail to communicate to monitoring station.	1 354 - Fail to communicate	YC - Communication Fails
Printer fault	1 336 - Local printer failure	VT - Printer Trouble
Module AC Failure	1 3A1 - AC loss	AT - AC Trouble
Module battery failure	1 3A9 - Battery test failure	YT - System Battery Trouble
Module Auxiliary supply trouble	1 3AA - System trouble	YP - Power Supply Trouble
Bus fault restore	3 333 - Expansion module failure restore	ER - Expansion Restoral
Module tamper restore	3 145 - Expansion module tamper restore	TR - Tamper Restoral
Module ROM_RAM_error restore	3 3A4 - Rom checksum bad restore	YG - Parameter Changed
Module TLM restore	3 352 - Telco 2 fault restore	LR - Phone Line Restoral
Printer fault restore	3 336 - Local printer failure restore	VR - Printer Restore
Module AC restore	3 3A1 - AC loss restore	AR - AC Restoral
Module battery restore	3 3A9 - Battery test failure restore	YR - System Battery Restoral
Module Auxiliary supply restore	3 3AA - System trouble restore	YQ - Power Supply Restored
Fail to communicate with monitoring station	1 354 - Fail to communicate	YC - Communication Fails
Module RF low battery	1 384 - RF transmitter low battery	XT - Transmitter Battery Trouble
Module RF battery restore	3 384 - RF transmitter battery restore	XR - Transmitter Battery Restoral
Module RF supervision trouble	1 381 - Loss of supervision - RF	US - Untype Zone Supervision
Module RF supervision restore	3 381 - Supervision restore - RF	UR - Untyped Zone Restoral
Cold Start	1 3A8 - System shutdown	RR - Power Up
Warm Start	1 3A5 - System reset	YW - Watchdog Reset
Test Report engaged	1 6A2 - Periodic test report	TX - Test Report
PC software communication finished	1 412 - Successful - download access	RS - Remote Program Success
Installer on site	1 627 - Program mode Entry	LB - Local Program
Installer programming finished	1 628 - Program mode Exit	LS - Local Program Success

Warranty

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

Notwithstanding the preceding paragraph, the Seller’s maximum liability will be strictly limited to the purchase price of the defective product. Your use of this product signifies your acceptance of this warranty.

BEWARE: Dealers, installers and/or others selling the product are not authorized to modify this warranty or make additional warranties that are binding on the Seller.

Limitations of Alarm Systems

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

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

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

Warning for Connections to Non-Traditional Telephony (e.g. VoIP)

Paradox alarm equipment was designed to work effectively around traditional telephone systems. For those customers who are using a Paradox alarm panel connected to a non-traditional telephone system, such as "Voice Over Internet Protocol" (VoIP) that converts the voice signal from your telephone to a digital signal traveling over the Internet, you should be aware that your alarm system may not function as effectively as with traditional telephone systems.

For example, if your VoIP equipment has no battery back-up, during a power failure your system's ability to transmit signals to the central station may be compromised. Or, if your VoIP connection becomes disabled, your telephone line monitoring feature may also be compromised. Other concerns would include, without limitation, Internet connection failures which may be more frequent than regular telephone line outages.

We therefore strongly recommend that you discuss these and other limitations involved with operating an alarm system on a VoIP or other non-traditional telephone system with your installation company. They should be able to offer or recommend measures to reduce the risks involved and give you a better understanding.

TBR-21

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

UL AND ULC WARNINGS

UL AND C-UL INSTALLATION NOTES

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

- All components of the system should be UL listed for the intended application.
- If the system will be 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.
- This equipment must be verified by a qualified technician once every three years.
- All keypads must use an anti-tamper switch.
- 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.

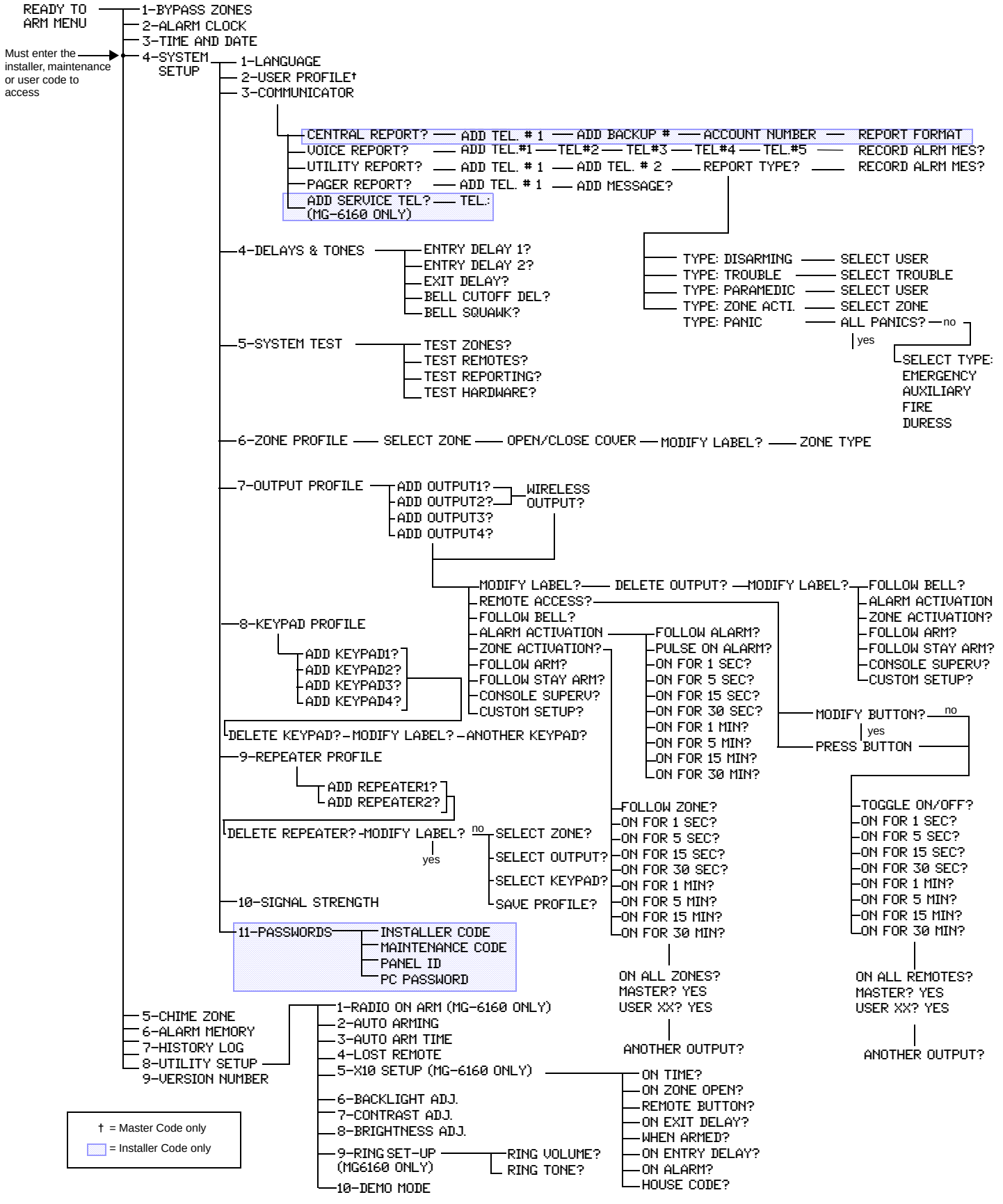
RECOMMENDED:

- 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

NOTES

Installer Menu Overview



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