ESPRIT ///E55 ™
ESPRIT ///E65 ™

4 to 32 Zone Security Systems
Esprit E55 V2.0
Esprit E65 V2.1

STAY D ™

**Always Armed,
Never Disarmed**

Programming Guide

PARADOX®
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. Your use of the Paradox product signifies your acceptance of all warranty terms and conditions.

Limitations of Alarm Systems

We strongly advise that you review and take into consideration the "Limitations of Alarm Systems" document available on our website at http://paradox.com/Terms/.

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

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

Patents

One or more of the following US patents may apply: 7046142, 6215399, 6111256, 6104319, 5920259, 5886632, 5721542, 5287111, 5119069, 5077549 and RE39406. Canadian and international patents may also apply.

Table of Contents

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

Conventions

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

⚠️ Warning or important information.	*NOTE: Suggestion or reminder.*	**QM** Quick Menu (see page 39)

System Overview

Module	Description	Maximum number per system	Current Consumption
K636* K10V/H K32 K32I	K636: 10-zone, 1-partition LED keypad K10V/H: 10-zone LED keypads K32: 32-zone LED keypad K32I: 32-zone, fixed-LCD keypad	15 total (including ZX8s)	K636: Min. = 15mA / Max. = 30mA K10V/H: Min. = 44mA / Max. = 72mA K32: Min. 49mA / Max. = 148mA K32I: Min. = 30mA / Max. = 70mA
VDMP3	Plug-In Voice Dialer	1	Min. = 28mA / Max. = 28mA
IP100	Internet Module	1	Min. = 90mA / Max. = 120mA
PCS100	GSM Communicator Module	1	Min. = 400mA / Max. = 1A
ZX8 & ZX8SP	8-Zone Expansion Modules	3	Min. = 29mA / Max. = 31mA

* When using a K636 keypad, only partition 1 is available. To use both partitions, use a K10V/H, K32, or K32I keypad.

Comparison Chart

Feature	Esprit E55	Esprit E65	Esprit 728ULT
StayD	✓	✓	-
Maximum Zones*	32	32	8
On-board Zones	4	9	4
Keypad Zones	15	15	2
Partitions**	2	2	2
User Codes	32	32	49
PGMs	1	3	1
Event Buffer	256	256	256
Internet TCP/IP Communication (IP100)	✓	✓	-
Landline (dialer)	✓	-	✓
Plug-In Voice Module (VDMP3)	✓	via GSM only	-
In-Field Firmware Upgradeable	✓	✓	-
Upload/Download with WinLoad Software	✓	✓	-
GSM Reporting	✓	✓	-

* When used with a K636 or K10V/H keypad, only zones 1-10 can be displayed.

** When used with a K636 keypad, only partition one can be displayed.

Entering Programming Mode

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 31.
3. Enter 3-digit **[SECTION]** you wish to program. [ARM] and [STAY] lights are ON.
4. Enter required **[DATA]**.

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

Data Entry & Display

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

| K636 | K10V/H | K32I | K32 |
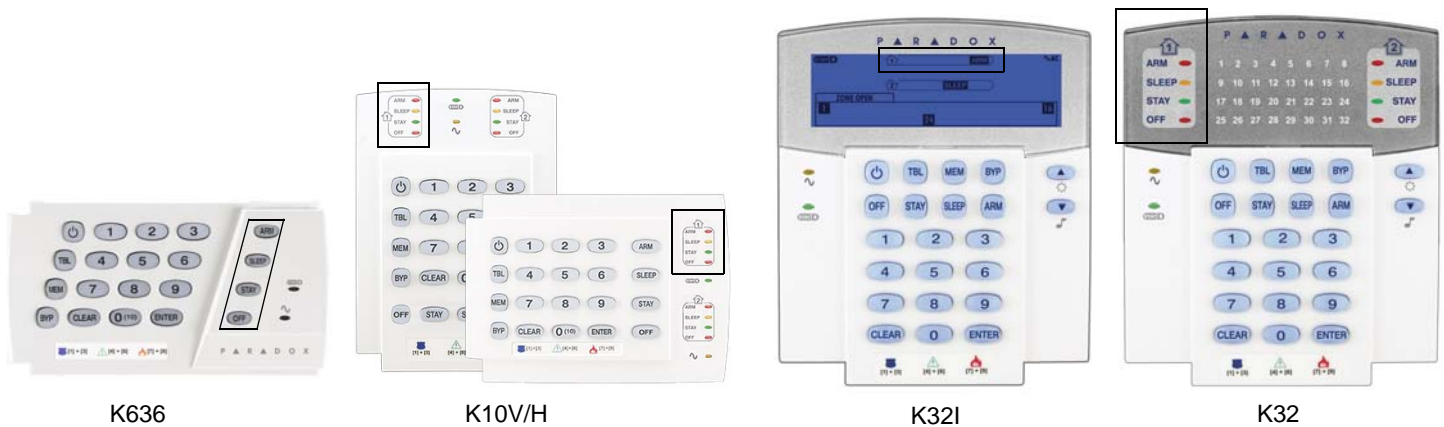
Each time the **[ENTER]** key is pressed, the keypad will display the next digit in the current section and will continue through all the following sections one digit at a time without changing the programmed values. Not available for sections using the Multiple Feature Select Method. Press the **[CLEAR]** key at any time to exit the Data Display Mode.

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

Single Digit Data Entry Method
After entering programming mode, some sections will require that you enter decimal values from 000 to 255. Other sections will require that you enter hexadecimal values from 0 to F. The required data will be clearly indicated in this manual. When entering the final digit in a section, the panel will automatically save and advance to the next section.

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

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)
[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 (see Viewing Version Numbers on page 3)

Decimal and Hexadecimal Values

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

Codes and Panel Reset

Installer Code (Default: 0000 / 000000)	The Installer code is used to enter programming mode, which allows you to program everything except user codes. To change the default code, go to section [397] on page 31 and refer to section [701] option [1] on page 31.
Maintenance Code (No Default)	The Maintenance code is used to enter programming mode, which allows you to program everything except for user codes and communication settings (sections [395], [397], [398], [815], [816], [817], [910], and [911]). To set the default code, go to section [398] on page 31 and refer to section [701] option [1] on page 31.
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 31 and refer to section [701] option [1] on page 31.
Panel Reset	Before powering-up the panel, connect a wire from the zone 1 input to the PGM input. Power up the panel and wait 6 seconds. Remove the wire and the panel will be reset to default.

Viewing Version Numbers

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

Example: Version 01.42.
Digits 1-4

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

System Planning

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					

NOTE: Maximum of three ZX8 or ZX8SP modules.

Zone Programming

To program zone definitions, zone partitions and assign options:

Zone Recognition

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.

E55 No ATZ		E55 ATZ		E65 No ATZ		E65 ATZ	
Panel	Zone 1: Panel Input 1		Zone 1: Panel Input 1A	**Panel**	Zone 1: Panel Input 1		Zone 1: Panel Input 1A
	Zone 2: Panel Input 2		Zone 2: Panel Input 2A		Zone 2: Panel Input 2		Zone 2: Panel Input 2A
	Zone 3: Panel Input 3		Zone 3: Panel Input 3A		Zone 3: Panel Input 3		Zone 3: Panel Input 3A
	Zone 4: Panel Input 4	**Panel**	Zone 4: Panel Input 4A		Zone 4: Panel Input 4		Zone 4: Panel Input 4A
ZX8 Jumper Panel + 1	Zone 5: Input 1		Zone 5: Panel Input 1B		Zone 5: Panel Input 5		Zone 5: Panel Input 5A
	Zone 6: Input 2		Zone 6: Panel Input 2B		Zone 6: Panel Input 6		Zone 6: Panel Input 6A
	Zone 7: Input 3		Zone 7: Panel Input 3B		Zone 7: Panel Input 7		Zone 7: Panel Input 7A
	Zone 8: Input 4		Zone 8: Panel Input 4B		Zone 8: Panel Input 8		Zone 8: Panel Input 8A
	Zone 9: Input 5		Zone 9: Input 1		Zone 9: Panel Input 9	**Panel**	Zone 9: Panel Input 9A
	Zone 10: Input 6		Zone 10: Input 2	**ZX8 Jumper Panel + 1**	Zone 10: Input 1		Zone 10: Panel Input 1B
	Zone 11: Input 7	**ZX8 Jumper Panel + 1**	Zone 11: Input 3		Zone 11: Input 2		Zone 11: Panel Input 2B
	Zone 12: Input 8		Zone 12: Input 4		Zone 12: Input 3		Zone 12: Panel Input 3B
ZX8 Jumper Panel + 9	Zone 13: Input 1		Zone 13: Input 5		Zone 13: Input 4		Zone 13: Panel Input 4B
	Zone 14: Input 2		Zone 14: Input 6		Zone 14: Input 5		Zone 14: Panel Input 5B
	Zone 15: Input 3		Zone 15: Input 7		Zone 15: Input 6		Zone 15: Panel Input 6B
	Zone 16: Input 4		Zone 16: Input 8		Zone 16: Input 7		Zone 16: Panel Input 7B
	Zone 17: Input 5		Zone 17: Input 1		Zone 17: Input 8		Zone 17: Panel Input 8B
	Zone 18: Input 6		Zone 18: Input 2		Zone 18: Input 1		Zone 18: Panel Input 9B
	Zone 19: Input 7	**ZX8 Jumper Panel + 9**	Zone 19: Input 3		Zone 19: Input 2		Zone 19: Input 1
	Zone 20: Input 8		Zone 20: Input 4	**ZX8 Jumper Panel + 9**	Zone 20: Input 3		Zone 20: Input 2
ZX8 Jumper Panel + 17	Zone 21: Input 1		Zone 21: Input 5		Zone 21: Input 4	**ZX8 Jumper Panel + 1**	Zone 21: Input 3
	Zone 22: Input 2		Zone 22: Input 6		Zone 22: Input 5		Zone 22: Input 4
	Zone 23: Input 3		Zone 23: Input 7		Zone 23: Input 6		Zone 23: Input 5
	Zone 24: Input 4		Zone 24: Input 8		Zone 24: Input 7		Zone 24: Input 6
	Zone 25: Input 5		Zone 25: Input 1		Zone 25: Input 8		Zone 25: Input 7
	Zone 26: Input 6		Zone 26: Input 2		Zone 26: Input 1		Zone 26: Input 8
	Zone 27: Input 7	**ZX8 Jumper Panel + 17**	Zone 27: Input 3		Zone 27: Input 2		Zone 27: Input 1
	Zone 28: Input 8		Zone 28: Input 4	**ZX8 Jumper Panel + 17**	Zone 28: Input 3		Zone 28: Input 2
	Zone 29: N/A		Zone 29: Input 5		Zone 29: Input 4	**ZX8 Jumper Panel + 9**	Zone 29: Input 3
	Zone 30: N/A		Zone 30: Input 6		Zone 30: Input 5		Zone 30: Input 4
	Zone 31: N/A		Zone 31: Input 7		Zone 31: Input 6		Zone 31: Input 5
	Zone 32: N/A		Zone 32: Input 8		Zone 32: Input 7		Zone 32: Input 6

Zone Definitions

To program zone definitions, zone partitions and assign options:

Step	Action	Details
1	**[ENTER] + [INSTALLER CODE]** (default: 0000 / 000000)	**[ARM] + [STAY]** = flash. **[MAINTENANCE CODE]** may also be used.
2	Enter 3-digit zone you wish to program **[001]** to **[032]**	**[ARM] + [STAY]** = on (see table on page 7)
3	Enter a 2-digit zone definition	2 digits: 01 to 32 (see Table 1 below)
4	Assign Partition **[1]**, **[2]** or **[3]**	By default, all zones are assigned to partition 1. (see Table 2)
5	Select or deselect zone options using buttons **[1]** to **[8]**	See Table 3 for zone options. ON = feature activated See Table 4 for keyswitch options. OFF = feature deactivated
6	To save and proceed to the next zone, press **[ENTER]**	

Table 1: Zone Definitions

Zone Definitions	Stay Arm	Sleep Arm	Fully Arm	Zone Definitions
00 = Zone Disabled (default)	-	-	-	**11** = Instant Fire†
01 = Entry Delay 1	Entry Delay 1	Entry Delay 1	Entry Delay 1	**12** = Delayed Fire†
02 = Entry Delay 2	Entry Delay 2	Entry Delay 2	Entry Delay 2	**13** = Instant Fire Silent†
03 = Entry Delay 1 (Full Arm)	Not Armed	Not Armed	Entry Delay 1	**14** = Delayed Fire Silent†
04 = Entry Delay2 (Full Arm)	Not Armed	Not Armed	Entry Delay 2	**15** = 24Hr. Buzzer
05 = Follow	Follow*	Follow*	Follow	**16** = 24Hr. Burglary
06 = Follow (Sleep/Full Arm)	Not Armed	Follow*	Follow	**17** = 24Hr. Hold-up
07 = Follow (Full Arm)	Not Armed	Not Armed	Follow	**18** = 24Hr. Gas
08 = Instant	Instant*	Instant*	Instant	**19** = 24Hr. Heat
09 = Instant (Sleep/Full Arm)	Not Armed	Instant*	Instant	**20** = 24Hr. Water
10 = Instant (Full Arm)	Not Armed	Not Armed	Instant	**21** = 24Hr. Freeze
				18 = 24Hr. Gas
* Flex-Instant = Zone will follow the delay at section [720], (default is 15 seconds / 0 = instant zone)				**19** = 24Hr. Heat
** On-board hardwire control panel zones 1 to 4 (E55) or 1 to 9 (E65)				**20** = 24Hr. Water
† Only on-board zones can be defined as fire zones				**21** = 24Hr. Freeze
†† This alarm will follow the Panic 1 option (section [702], option [1])				**22** = 24hr. Panic††
				23 = Follow No Pre-Alarm
NOTE: For more zone options, see sections [705] and [706] on page 8.				**24** = Instant No Pre-Alarm
				25 = Keyswitch Maintain**
				26 = Keyswitch Momentary**

Table 2 Partition Assignment

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

† When using a K636 keypad, only partition 1 is available. To use both partitions, use a K10V/H, K32, or K32I keypad.

Table 3 Zone Options

[1] = Auto-zone Shutdown
[2] = Bypassable Zone
[3] = N/A

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

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

Table 4 Keyswitch Options

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

‡ Select only one. If all are off, keyswitch will regular arm.

Section	Zone*	Zone Definition	Partition (For a one-partition system, use K636 keypads. For a two-partition system, use K10V/H, K32, or K32I keypads.)	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

* See Zone Recognition on page 5.

[705] **General Zone Options 1**

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

[3]+[4] Tamper Recognition

		Keypad Bus Tamper Recognition Options*	Keypad / Bus Module Tamper Recognition Options*
[3]	**[4]**		
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

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

[8]	N/A	N/A	N/A

[706] **General Zone Options 2**

Option		OFF	ON
[1]	N/A	N/A	N/A
[2]	EOL resistors	☐ **Disabled**	☐ Enabled
[3]	N/A	N/A	N/A
[4]	ZX8 ID (Panel + 1) Input 1	☐ **Zone input**	☐ Tamper input
[5]	ZX8 ID (Panel + 9) Input 1	☐ **Zone input**	☐ Tamper input
[6]	ZX8 ID (Panel + 17) Input 1	☐ **Zone input**	☐ Tamper input

Zone Timers

Section		E55	E65	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	(Z3):	(Z3):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 3 Speed
[044]	Zone 4	(Z4):	(Z4):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 4 Speed
[045]	Zone 5	(Z1 with ATZ):	(Z5):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 5 Speed
[046]	Zone 6	(Z2 with ATZ):	(Z6):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 6 Speed
[047]	Zone 7	(Z3 with ATZ):	(Z7):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 7 Speed
[048]	Zone 8	(Z4 with ATZ):	(Z8):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 8 Speed
[049]	Zone 9	N/A	(Z9):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 9 Speed
[050]	Zone 10	N/A	(Z1 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 10 Speed
[051]	Zone 11	N/A	(Z2 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 11 Speed
[052]	Zone 12	N/A	(Z3 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 12 Speed
[053]	Zone 13	N/A	(Z4 with ATZ):	____/____/____	(000 to 255) x 10ms	Hardwire Zone 13 Speed

Section	E55	E65	Data		Description (Default 060)
[054]	Zone 14	N/A	(Z5 with ATZ): ____/____/____	(000 to 255) x 10ms	Hardwire Zone 14 Speed
[055]	Zone 15	N/A	(Z6 with ATZ): ____/____/____	(000 to 255) x 10ms	Hardwire Zone 15 Speed
[056]	Zone 16	N/A	(Z7 with ATZ): ____/____/____	(000 to 255) x 10ms	Hardwire Zone 16 Speed

NOTE: For zones 17 and 18 (ATZ on the E65,) the zone timer is set at 600ms.

Zone Report Codes (Default = FF)

[966]   **Clear Zone Report Codes**

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

* Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

[967]   **Reset Zone Report Codes**

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

* 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	**[ENTER] + [INSTALLER CODE]** (default: 0000 / 000000)	**[ARM] + [STAY]** = flash. **[MAINTENANCE CODE]** may also be used.
2	Press and hold ⏻ (3sec)	**[ARM] + [STAY]** = on
3	**[ZONE NUMBER] + [ENTER]***	K32LED / K32I = 2 digits: 01 to 32 K10V/H / K636 = 1 digit: 1 to 0(10) (can only assign zones 1-10) * To erase a keypad zone number, press **[CLEAR]**, then **[ENTER]**.

Entry Point Zone Assignment (StayD)

Step	Action	Details
1	**[ENTER] + [INSTALLER CODE]** (default: 0000 / 000000)	**[ARM] + [STAY]** = flash.
2	Press and hold **[OFF]** (3sec)	**[ARM] + [STAY]** = on
3	**[ZONE NUMBER]***	K32LED / K32I = 2 digits: 01 to 32 K10V/H / K636 = 1 digit: 1 to 0(10) (can only assign zones 1-10) * The first zone you program will be the designated entry point and will flash. Up to three more path zones can be added; these zones will light up and stay lit.
4	**[ENTER]**	Press **[ENTER]** to save and exit

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

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

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

[701]	Keypad Options		OFF	ON
Option				
[3]	Confidential mode		☐ **Disabled**	☐ Enabled
[4]	To exit confidential mode		☐ **Enter a code**	☐ Press a key
[5]	Confidential mode timer		☐ **2 minutes**	☐ 5 seconds

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

[704] **Keypad Options**

Option		OFF	ON
[5]	Bell squawk when arm/disarm with a keypad	☐ **Disabled**	☐ Enabled
[6]	Beep on exit delay	☐ Disabled	☐ **Enabled**
[7]	No exit delay beeps and no bell squawk when stay/sleep arm	☐ Disabled	☐ **Enabled**

Keypad Lockout

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

Partition Programming

NOTE: When using a K636 keypad, only partition 1 is available. To use both partitions, use a K10V/H, K32, or K32I keypad.

[700] **Partitioning**

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

[741] **Partition 1 Options**   **Bold** = Default setting

Option		OFF	ON
[1]	Auto-arm on time	☐ **Disabled**	☐ Enabled
[2]	Auto-arm on no movement	☐ **Disabled**	☐ Enabled
	Auto-arm arming mode	☐ See Table	☐ See Table
[3]& [4]			
[5]	Switch to stay arming if no zone entry delay is opened	☐ **Disabled**	☐ Enabled
[6]	Follow zones become entry delay 2 when delay zone is bypassed	☐ **Disabled**	☐ Enabled
[7]& [8]	N/A	N/A	N/A

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

[742] **Partition 2 Options**

Option		OFF	ON
[1]	Auto-arm on time	☐ **Disabled**	☐ Enabled
[2]	Auto-arm on no movement	☐ **Disabled**	☐ Enabled
	Auto-arm arming mode	☐ See Table	☐ See Table
[3]& [4]			
[5]	Switch to stay arming if no entry delay is opened	☐ **Disabled**	☐ Enabled
[6]	Follow zones become entry delay 2 when delay zone is bypassed	☐ **Disabled**	☐ Enabled

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

Partition Timers

QM Refer to the Installer Quick Menu on page 39 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)

Section		Data	Description
[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
[3]	Audible trouble warning (except AC failure)	☐ **Disabled**	☐ Enabled
[4]	Audible trouble warning on AC failure	☐ **Disabled**	☐ Enabled
[6]	Exit delay termination	☐ **Disabled**	☐ Enabled
[7]	Tamper supervision on the bus module	☐ **Disabled**	☐ Enabled

[702] **Panic Options**

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

[703] **Arming/Disarming Options 1**

Option		OFF	ON
[5]	Restrict arming on battery failure	☐ **Disabled**	☐ Enabled
[6]	Restrict arming on tamper failure (Zone + Bus Module)	☐ **Disabled**	☐ Enabled
[8]	Calling the VDMP3	☐ Disabled	☐ **Enabled**

[704] **Arming/Disarming Options 2**

Option		OFF	ON
[1]	Regular arming switches to force arming	☐ Disabled	☐ **Enabled**
[2]	Stay arming switches to stay force arming	☐ Disabled	☐ **Enabled**
[3]	Sleep arming switches to sleep force arming	☐ Disabled	☐ **Enabled**

System Timers [QM] See Quick Menus on page 39

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]	N/A	N/A	N/A
[719]	____/____/____	(000 to 255) days	Closing delinquency delay (default 000)
[720]	____/____/____	(000 to 255) seconds	For StayD: Flex-Instant delay (default 015)
[721]	____/____/____	(000 to 255) seconds	For StayD: Re-arm delay (default 005)

Communication Programming

[800]   Dialer Options

Option		OFF	ON
[1]+2]*		☐ See Table	☐ See Table

<table>
<tr><th colspan="3">Telephone Line Monitoring (TLM) Options</th></tr>
<tr><th>[1]</th><th>[2]</th><th></th></tr>
<tr><td>OFF</td><td>OFF</td><td>Disabled</td></tr>
<tr><td>OFF</td><td>ON</td><td>When disarmed: Trouble only
When armed: Trouble only</td></tr>
<tr><td>ON</td><td>OFF</td><td>When disarmed: Trouble only
When armed: Audible alarm</td></tr>
<tr><td>ON</td><td>ON</td><td>Silent alarms become Audible alarm</td></tr>
</table>

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

* E55 only

[801]   Dialer Options

Option		OFF	ON
[1]	Report system disarming	☐ Always	☐ **After alarm**
[2]	Report zone restore	☐ **Bell cutoff**	☐ Zone closure
[3]+[4]			

<table>
<tr><th colspan="3">Auto-Test Report Transmission Options</th></tr>
<tr><th>[3]</th><th>[4]</th><th>Auto-Test Report Transmission Options</th></tr>
<tr><td>OFF</td><td>OFF</td><td>Transmit the test report code every time the days programmed in section [840] have elapsed at the time programmed in section [850] (default).</td></tr>
<tr><td>OFF</td><td>ON</td><td>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.</td></tr>
<tr><td>ON</td><td>OFF</td><td>The control panel will transmit the test report code every hour on the minute value programmed in section [850] (the last two digits). Note that the first two digits of section [850] will be ignored. E.g. If 10:25 was programmed into section [850], the test report code would be transmitted at the 25th minute of every hour, i.e. 11:25, 12:25, etc.</td></tr>
<tr><td>ON</td><td>ON</td><td>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.</td></tr>
</table>

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

[802]   Event Call Direction Options 1

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

[803] Event Call Direction Options 2

Option		OFF	ON
[1]	Call tel. #1 for tamper/restore report codes	☐ Disabled	☑ **Enabled**
[2]	Call tel. #2 for tamper/restore report codes	☐ Disabled	☑ **Enabled**
[3]	Call pager for tamper/restore report codes	☑ **Disabled**	☐ Enabled
[5]	Call tel. #1 for trouble/restore report codes	☐ Disabled	☑ **Enabled**
[6]	Call tel. #2 for trouble/restore report codes	☐ Disabled	☑ **Enabled**
[7]	Call pager for trouble/restore report codes	☑ **Disabled**	☐ Enabled

[804] Event Call Direction Options 3

Option		OFF	ON
[1]	Call tel. #1 for special report codes	☐ Disabled	☑ **Enabled**
[2]	Call tel. #2 for special report codes	☐ Disabled	☑ **Enabled**
[3]	Call pager for special report codes	☑ **Disabled**	☐ Enabled
[5]	Call personal tel. # on zone alarm (burglary/fire)	☐ Disabled	☑ **Enabled**
[6]	Call personal tel. # on panic alarms	☐ Disabled	☑ **Enabled**
[7]	Call personal tel. # on paradiemic alarm	☐ Disabled	☑ **Enabled**
[8]	Call personal tel. # on panel power trouble	☑ **Disabled**	☐ Enabled

Communication Settings QM

Section	Data	Description
[810]	___/___	Reporting format
	TEL1 TEL2	0 = Ademco Slow
		1 = Silent Knight Fast
		2 = Sescoa
		3 = Ademco Express
		4 = **Ademco Contact ID** (default)
[811]	____/____/____/____	Partition 1 Account number
[812]	____/____/____/____	Partition 2 Account number
[815]	___/	
	MONITORING STATION TELEPHONE NUMBER 1	
[816]	___/	
	MONITORING STATION TELEPHONE NUMBER 2	
[817]	___/	
	BACK UP TELEPHONE NUMBER	
[818]	___/	
	PAGER TELEPHONE NUMBER	
[819]	___/	
	NUMERIC MESSAGE SENT WITH PAGER REPORTING	

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

Communication Timers

Section	Data		Description
[830]	____/____/____	(000 to 255) x 2 seconds	TLM fail delay (default 016)
[831]	____/____/____	(000 to 032)	Maximum dialing attempts monitoring station (default 008)
[832]*	____/____/____	(000 to 127) seconds	Delay between dialing attempts* (default 020)
[833]	____/____/____	(000 to 255) seconds	Delay alarm transmission (default 000)
[834]	____/____/____	(000 to 127) seconds	Pager reporting delay (default 020)
[835]	____/____/____	(000 to 010)	Pager reporting message repetition (default 003)
[836]*	____/____/____	(000 to 127) seconds	Personal reporting delay* (default 005)
[837]*	____/____/____	(000 to 010)	Personal reporting message repetition* (default 003)
[838]	____/____/____	(000 to 255) seconds	Recent closing delay (default 000)
[839]	____/____/____	(000 to 255) minutes	Power failure report delay (default 015)
[840]	____/____/____	(000 to 255) days	Auto test report (default 000) (see section [801] options [3] and [4] on page page 13)

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

[850]	____/____/____/____	HH: MM	Auto test report time of day (default 00:00) (see section [801] options [3] and [4] on page page 13)
[851]	____/____/____	(000 to 255) x 1 minute	Armed report delay (default 005)
[852]	____/____/____	(000 to 255) x 1 minute	Disarmed report delay (default 060)
[901]*	____/____/____	(000 to 255) rings	Number of rings* (default 008)
[902]*	____/____/____	(000 to 255) seconds	Answering machine override delay* (default 030)

* This section applies to the Plug-In Voice Dialer when using a VDMP3 (E55 only).

Communication Report Codes

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

* 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**

* Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

[879]	____/____	GSM RF jam	**[880]**	____/____	N/A
	____/____	GSM no service		____/____	IP100 no service*
	____/____	GSM module supervision lost		____/____	IP100 supervision lost*
	____/____	GPRS receiver fail to communicate*		____/____	IP receiver fail to communicate*
[884]	____/____	Report code for GSM lost communication with panel			
	____/____	N/A			
	____/____	N/A		* E65 panels only	
	____/____	N/A			

Communication Restore Report Codes

[881]	____/____	GSM RF jam	[882]	____/____	N/A
	____/____	GSM no service		____/____	IP100 no service*
	____/____	GSM module supervision lost		____/____	IP100 supervision lost*
	____/____	GPRS receiver fail to communicate*		____/____	IP receiver fail to communicate*

* E65 panels only

VDMP3 Options

[703]   **Calling the VDMP3**

Option		OFF	ON
[8]	Calling the VDMP3	☐ Disabled	☐ **Enabled**

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

* This section applies to the Plug-In Voice Dialer when using a VDMP3.
NOTE: For more VDMP3 options, see Communication Timers on page 15.

WinLoad / IP100 / PCS100 Programming

[900]   **WinLoad Options**

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

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

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

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

[915]   ___/
PC TELEPHONE NUMBER

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)

* Must be configured through WinLoad

QM   Refer to the **Installer Quick Menu** on page 40 for alternate programming of PC phone number, panel ID, and PC password.

PCS100 Programming

[805] **GSM Options**

Option

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

[1] & **[2]**

* Options [1] and [2] are only available on the E55 control panel. The E65 will only communicate via GSM.

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

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

[5] & **[6]**

[7] Future use

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

PCS100 (GSM) Settings

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

Table 5: SMS Language ID

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

IP100 / PCS100 (GPRS) Options

[806] **IP/GPRS Options** (E65 panels only)

Option

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

[5] & **[6]**

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

IP / GPRS Reporting Account Settings (E65 panels only)

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 19)

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 19)

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)

Table 6: IP/GPRS Registration Status (E65 panels only)

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

Programmable Output Programming [QM] See Quick Menus on page 41

Programmable Output Activation/Deactivation Events

Section			Event Group #	Sub-Group #	Partition # (99 for any partitions)	Default
[220]	PGM 1:	Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[221]		Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[222]	PGM 2:	Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[223]		Deactivation Event	(____/____)	(____/____)	(____/____)	00/00/00
[224]	PGM 3:	Activation Event	(____/____)	(____/____)	(____/____)	00/00/00
[225]		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

NOTE: PGM 1 (for E55/E65) PGM 2 and 3 (for E65 only)
PGMs 6 to 8 are only available when using an ZX8 or ZX8SP Hardwired Zone Expansion module.
PGMs 9 to 12 are only available when using a PGM4 4-PGM Expansion module.
If a PGM Delay is programmed, the deactivation event can be used as a second activation event (see sections [281] to [292] on page 24).

Event Description

Event Group #	Sub-group #
00 = Zone OK **01 = Zone open**	01 to 32 = Zone number 99 = Any zone number
02 = Partition status	00 to 01= N/A 02 = Silent alarm 03 = Buzzer alarm 04 = Steady alarm 05 = Pulsed alarm 06 = Strobe 07 = Alarm stopped 08 = Squawk ON (Partition 1 only) 09 = Squawk OFF (Partition 1 only) 10 = Ground start (Partition 1 only) 11 = Disarm partition 12 = Arm partition 13 = Entry delay started 14 = Exit delay started 15 = Pre-alarm delay 99 = Any partition status event
03 = Bell status (Partition 1 only)	00 = Bell OFF 01 = Bell ON 02 = Bell squawk arm 03 = Bell squawk disarm 99 = Any bell status event
06 = Non-reportable event	00 = Telephone line trouble 01 = [ENTER] / [CLEAR] / [⏻] key was pressed (Partition 1 only) 02 = N/A 03 = Arm in stay mode 04 = Arm in sleep mode 05 = Arm in force mode 06 = Full arm when armed in stay mode 07 = PC fail to communicate (Partition 1 only) 08 = Utility Key 1 pressed (keys [1] and [2]) (Partition 1 only) 09 = Utility Key 2 pressed (keys [4] and [5]) (Partition 1 only) 10 = Utility Key 3 pressed (keys [7] and [8]) (Partition 1 only) 11 = Utility Key 4 pressed (keys [2] and [3]) (Partition 1 only) 12 = Utility Key 5 pressed (keys [5] and [6]) (Partition 1 only) 13 = Utility Key 6 pressed (keys [8] and [9]) (Partition 1 only) 14 = Tamper generated alarm 15 = Supervision loss generated alarm 16 = N/A 17 = N/A 18 = N/A 19 = N/A 20 = Full arm when armed in sleep mode 21 = Firmware upgrade (Partition 1 only) (non-PGM event) 22 = No SIM card on GSM module 23 = StayD mode activated 24 = StayD mode deactivated 25 = IP Registration Status (E65 panels only) 26 = GPRS Registration Status (E65 panels only) 99 = Any non-reportable event
14 = Bypass programming **15 = User code activated output (Partition 1 only)**	01 to 32 = User number 99 = Any user number
16 = N/A **17 = Delay zone alarm transmission** **18 to 23 = N/A**	01 to 32 = Zone number 99 = Any zone number
24 = Fire Delay started	01 to 32 = Zone number 99 = Any zone number
25 = N/A	

Event Group #	Sub-group #
26 = Software Access (VDMP3, IP100, NEware, WinLoad)	00 = Non-valid source ID 01 = WinLoad direct 02 = WinLoad through IP module 03 = WinLoad through GSM module 04 = WinLoad through modem 05 = NEware direct 06 = NEware through IP module 07 = NEware through GSM module 08 = NEware through modem 09 = IP100 direct 10 = VDMP3 direct 11 = Voice through GSM module 12 = Remote access 13 = SMS through GSM module 99 = Any software access
27 = Bus module event	00 = A bus module was added 01 = A bus module was removed 99 = Any Bus module event
28 = StayD pass acknowledged	01 to 32 = Zone number 99 = Any zone number
29 = Arming with user	01 to 32 = User number 99 = Any user number
30 = Special arming	00 = Auto-arming (on time/no movement) 01 = Late to close 02 = No movement arming 03 = Partial arming 04 = Quick arming 05 = Arming through WinLoad 06 = Arming with keyswitch 99 = Any special arming
31 = Disarming with user **32 = Disarming after alarm with user** **33 = Alarm cancelled with user**	01 to 32 = User number 99 = Any user number
34 = Special disarming	00 = Auto-arm cancelled (on time/no movement) 01 = Disarming through WinLoad 02 = Disarming through WinLoad after alarm 03 = Alarm cancelled through WinLoad 04 = N/A 05 = Disarm with keyswitch 06 = Disarm with keyswitch after an alarm 07 = Alarm cancelled with keyswitch 99 = Any special disarming
35 = Zone bypassed **36 = Zone in alarm** **37 = Fire alarm** **38 = Zone alarm restore** **39 = Fire alarm restore**	01 to 32 = Zone number 99 = Any zone number
40 = Special alarm	00 = Panic non-medical emergency 01 = Panic medical (this panic alarm is not UL approved) 02 = Panic fire 03 = Recent closing 04 = Global shutdown 05 = Duress alarm 06 = Keypad lockout (Partition 1 only) 99 = Any special alarm event
41 = Zone shutdown **42 = Zone tampered** **43 = Zone tamper restore**	01 to 32 = Zone number 99 = Any zone number

Event Group #	Sub-group #
44 = New trouble **(Partition 1 only except sub-group 07 = both partitions)**	00 = N/A 01 = AC failure 02 = Battery failure 03 = Auxiliary current overload 04 = Bell current overload 05 = Bell disconnected 06 = Clock loss 07 = Fire loop trouble 08 = Fail to communicate to monitoring station telephone #1 09 = Fail to communicate to monitoring station telephone #2 10 = Fail to communicate to pager report 11 = Fail to communicate to voice report 13 = GSM RF jamming 14 = GSM no service 15 = GSM supervision lost 16 = Fail To Communicate IP Receiver 1 (GPRS) (E65 panels only) 17 = Fail To Communicate IP Receiver 2 (GPRS) (E65 panels only) 18 = IP Module No Service (E65 panels only) 19 = IP Module Supervision Loss (E65 panels only) 20 = Fail To Communicate IP Receiver 1 (IP) (E65 panels only) 21 = Fail To Communicate IP Receiver 2 (IP) (E65 panels only) 99 = Any new trouble event
45 = Trouble restored	00 = Telephone line restored 01 = AC failure restore 02 = Battery failure restore 03 = Auxiliary current overload restore 04 = Bell current overload restore 05 = Bell disconnected restore 06 = Clock loss restore 07 = Fire loop trouble restore 08 = FTC central 1 restored 09 = FTC central 2 restored 10 = FTC pager restored 11 = FTC voice restored 13 = GSM jamming restored 14 = GSM no service restore 15 = GSM supervision lost restore 16 = Fail To Communicate restore IP Receiver 1 (GPRS) (E65 only) 17 = Fail To Communicate restore IP Receiver 2 (GPRS) (E65 only) 18 = IP Module No Service restore (E65 panels only) 19 = IP Module Supervision loss restore (E65 only) 20 = Fail To Communicate restore IP Receiver 1 (IP) (E65 only) 21 = Fail To Communicate restore IP Receiver 2 (IP) (E65 only) 99 = Any trouble restored event
46 = Bus / EBus module new trouble **(Partition 1 only)**	00 = Bus / EBus module communication fault 01 = Tamper trouble 02 = Power fail 03 = Battery failure 99 = Any bus module new trouble event
47 = Bus / EBus module trouble restored **(Partition 1 only)**	00 = Bus / EBus module communication fault restore 01 = Tamper trouble restore 02 = Power fail 03 = Battery failure 99 = Any bus module trouble restored event
48 = Special (Partition 1 only)	00 = System power up 01 = Reporting test 02 = Software log on 03 = Software log off 04 = Installer in programming mode 05 = Installer exited programming mode 06 = Maintenance in programming mode 07 = Maintenance exited programming mode 08 = Closing delinquency delay elapsed 99 = Any special event

Event Group #	Sub-group #
49 to 56 = N/A 58 = Zone forced 59 = Zone included	01 to 32 = Zone number 99 = Any zone number

64 = System Status	00 = Follow Arm LED status*:
	   1. PGM pulse fast in alarm
	   2. PGM pulse fast in exit delay below 10 sec.
	   3. PGM pulse slow in exit delay over 10 sec.
	   4. PGM steady ON if armed
	   5. PGM OFF if disarmed
	* On-board PGM 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.

Programmable Output Options

Option		PGM 1 [261] OFF	ON	PGM 2 [262] OFF	ON	PGM 3 [263] OFF	ON	PGM 4-5 [264]-[265]
[1]	PGM Base Time Off=Sec, On=Min	■	□	■	□	■	□	future use
[2]	PGM State Off=N.O., On=N.C.	■	□	■	□	■	□	
[3]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
[4]	PGM Activation Mode Off=Steady, On=Pulse	■	□	■	□	■	□	
[5]*	PGM Pulse once every 30 seconds if armed*	■	□	■	□	■	□	
[6]*	PGM Pulse on any alarm*	■	□	■	□	■	□	
[7]	PGM Pulse on any alarm - Off= Partition 1, On= Partition 2	■	□	■	□	■	□	
[8]	Voltage Output (E65 PGMs only) Off= Negative Trigger (0V) On= Positive Trigger (12V)	■	□	■	□	■	□	

		ZX8 +1 PGM 6 [266] OFF	ON	ZX8 +9 PGM 7 [267] OFF	ON	ZX8 +17 PGM 8 [268] OFF	ON	PGM4 PGM 9 [269] OFF	ON	PGM 10 [270] OFF	ON	PGM 11 [271] OFF	ON	PGM 12 [272] OFF	ON
[1]	PGM Base Time Off=Sec, On=Min	■	□	■	□	■	□	■	□	■	□	■	□	■	□
[2]	PGM State Off=N.O., On=N.C.	■	□	■	□	■	□	■	□	■	□	■	□	■	□
[3]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[4]	PGM Activation Mode Off=Steady, On=Pulse	■	□	■	□	■	□	■	□	■	□	■	□	■	□
[5]*	PGM Pulse once every 30 seconds if armed*	■	□	■	□	■	□	■	□	■	□	■	□	■	□
[6]*	PGM Pulse on any alarm*	■	□	■	□	■	□	■	□	■	□	■	□	■	□
[7]	PGM Pulse on any alarm - Off= Partition 1, On= Partition 2	■	□	■	□	■	□	■	□	■	□	■	□	■	□
[8]	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* If options 5 or 6 are enabled, The following Programmable Output Activation/Deactivation Events do not apply: [220], [230], [232], and [234].

NOTE: PGM 1 (E55/E65) PGMs 2 and 3 (E65 only)
      PGMs 6 to 8 are only available when using an ZX8 or ZX8SP Hardwired Zone Expansion module.
      PGMs 9 to 12 are only available when using a PGM4 4-PGM Expansion module.
      PGM cannot exceed 150mA (current limit).

Programmable Output Delays & Recognition

Section		Data	Default = 005
[281]	PGM 1: (E55/E65 onboard)	___/___/___	(000 to 255 x 1 sec./mins.)
[282]	PGM 2: (E65 onboard)	___/___/___	(000 to 255 x 1 sec./mins.)
[283]	PGM 3: (E65 onboard)	___/___/___	(000 to 255 x 1 sec./mins.)
[286]	PGM 6: (ZX8 ID =+1)	___/___/___	(000 to 255 x 1 sec./mins.)
[287]	PGM 7: (ZX8 ID =+9)	___/___/___	(000 to 255 x 1 sec./mins.)
[288]	PGM 8: (ZX8 ID =+17)	___/___/___	(000 to 255 x 1 sec./mins.)
[289]	PGM 9: (PGM4 output 1)	___/___/___	(000 to 255 x 1 sec./mins.)
[290]	PGM 10: (PGM4 output 2)	___/___/___	(000 to 255 x 1 sec./mins.)
[291]	PGM 11: (PGM4 output 3)	___/___/___	(000 to 255 x 1 sec./mins.)
[292]	PGM 12: (PGM4 output 4)	___/___/___	(000 to 255 x 1 sec./mins.)

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 26). Also Note that entering FF will set the report code to the "Automatic Report Code List" (see page 28).

Ademco "All Codes" Format:

The control panel automatically generates report codes from the "Ademco Report Code List - All Codes" (see page 26). Refer to Decimal and Hexadecimal Values on page 3.

Clear System Report Codes

[966]   **Clear Report Codes**

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

* Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

Reset System Report Codes

[967]   **Reset Report Codes**

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

* 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

       Programming Guide

Special Disarming Report Codes (Default = FF)

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

Special Alarm Report Codes (Default = FF)

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

System Trouble Report Codes (Default = FF)

Section	Data	Description	Section	Data	Description
[865]	____/____	N/A	**[868]**	____/____	Module power fail
	____/____	AC failure		____/____	Module low/no battery
	____/____	Battery failure		____/____	N/A
	____/____	Auxiliary supply		____/____	N/A
[866]	____/____	Bell output overload			
	____/____	Bell output disconnect			
	____/____	Timer loss			
	____/____	N/A			
[867]	____/____	Fail to communicate			
	____/____	N/A			
	____/____	Module lost			
	____/____	Module tamper			

System Trouble Restore Report Codes (Default = FF)

Section	Data	Description	Section	Data	Description
[870]	____/____	TLM	**[873]**	____/____	Module power fail
	____/____	AC failure		____/____	N/A
	____/____	Battery failure		____/____	N/A
	____/____	Auxiliary supply		____/____	N/A
[871]	____/____	Bell output overload			
	____/____	Bell output disconnect			
	____/____	Timer loss			
	____/____	N/A			
[872]	____/____	Fail to communicate			
	____/____	N/A			
	____/____	Module lost			
	____/____	Module tamper			

System Special Report Codes (Default = FF)

Section	Data	Description	Section	Data	Description
[875]	____/____	Cold start	**[876]**	____/____	Installer in

Section	Data	Description	Section	Data	Description
	____/____	Test report		____/____	Installer out
	____/____	N/A		____/____	Closing Delinquency
	____/____	WinLoad out		____/____	N/A
[878]	____/____	Disarm with keyswitch			
	____/____	Disarm with keyswitch after alarm			
	____/____	Alarm cancelled with key-switch			
	____/____	N/A			

NOTE: *For reporting code format instructions, see page 24.*

NOTE: *Refer to* Decimal and Hexadecimal Values on page 3.

Ademco Contact ID Report Codes

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

CID#	Reporting Code	Programming Value
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
387	Intrusion detector Hi sensitivity	75
388	Intrusion detector Low sensitivity	76
389	Sensor self-test failure	77
391	Sensor watch trouble	78
392	Drift compensation error	79
393	Maintenance alert	7A
Open/Close - 400		
400	Open/Close	7B
401	Open/Close by user	7C
402	Group open/close	7D
403	Automatic open/close	7E
406	Cancel	7F
407	Remote arm/disarm	80
408	Quick arm	81
409	Keyswitch open/close	82
Remote Access - 410		
411	Call back request made	83
412	Success - download access	84
413	Unsuccessful access	85
414	System shutdown	86
415	Dialer shutdown	87
416	Successful upload	88
Access Control - 420 and 430		
421	Access denied	89
422	Access report by user	8A
423	Forced access	8B
424	Egress denied	8C
425	Egress granted	8D

CID#	Reporting Code	Programming Value
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
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

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

CID#	Reporting Code	Programming Value		CID#	Reporting Code	Programming Value		CID#	Reporting Code	Program-ming Value
426	Access door propped open	8E		552	Radio transmitter disabled	B4				
427	Access point door status monitor trouble	8F		**Bypasses - 570**						
428	Access point request to exit	90		570	Zone bypass	B5				
429	Access program mode entry	91		571	Fire bypass	B6				
430	Access program mode exit	92		572	24Hr. zone bypass	B7				
431	Access threat level change	93		573	Burglary bypass	B8				
432	Access relay/trigger fail	94		574	Group bypass	B9				
433	Access RTE shunt	95		575	Swinger bypass	BA				
434	Access DSM shunt	96		576	Access zone shunt	BB				
Arming - 440 and 450				577	Access point bypass	BC				
441	Armed Stay	97		**Test/Misc. - 600**						
442	Keyswitch armed Stay	98		601	Manual trigger test	BD				
450	Exception open/close	99		602	Periodic test report	BE				

Automatic Report Code List

System Event	Default Contact ID Report Code
Arming with User Code (##)	3 4A1 - Close by user
Auto arming	3 4A3 - Automatic close
Late to close	3 452 - Late to close
No movement	3 452 - Late to close
Partial arming	1 456 - Group bypass
Quick arming	3 4A8 - Quick arm
Arm with PC software	3 4A7 - Remote arm/disarm
Disarm with User Code (##)	1 4A1 - Open by user
Disarm after alarm* with User Code (##)	1 4A1 - Open by user
Cancel alarm** with User Code (##)	1 4A6 - Cancel by user
Auto-arming cancellation	1 464 - Deferred open/close
Disarm with PC software	1 4A7 - Remote arm/disarm
Disarm after an alarm with PC software	1 4A7 - Remote arm/disarm
Cancel alarm with PC software	1 4A6 - Cancel by user
Cancel paramedic alarm	1 4A6 - Cancel by user
Zone bypassed (##)	1 57A - Zone bypass
Zone alarm (##)	1 13A - Burglary alarm
Fire alarm (##)	1 11A - Fire alarm
Zone alarm restore (##)	3 13A - Burglary alarm restore
Fire alarm restore (##)	3 11A - Fire alarm restore
Panic 1 - emergency	1 12A - Panic alarm
Panic 2 - medical	1 1AA - Medical alarm
Panic 3 - fire	1 115 - Pull station
Recent closing	3 459 - Open/Close
Global zone shutdown	1 575 - Group bypass
Duress alarm	1 121 - Duress
Keypad lockout	1 421 - Access denied

* 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
Zone shutdown (##)	1 57A - Zone bypass
Zone tampered (##)	1 144 - Sensor tamper
Zone tamper restore (##)	3 144 - Sensor tamper restore
AC failure	1 3A1 - AC loss
Battery failure	1 3A9 - Battery test failure
Auxiliary supply trouble	1 3AA - System trouble
Bell output current limit	1 321 - Bell 1
Bell absent	1 321 - Bell 1
Clock lost	1 626 - Time/date inaccurate
Fire loop trouble	1 373 - Fire trouble
Communication fail	1 354 - Communication fail
RF jamming	1 344 - RF receiver jam detection
TLM trouble restore	3 351 - Telco 1 fault restore
AC failure restore	3 3A1 - AC loss restore
Battery failure restore	3 3A9 - Battery test restore
Auxiliary supply trouble restore	3 3AA - System trouble restore
Bell output current limit restore	3 321 - Bell 1 restore
Bell absent restore	3 321 - Bell 1 restore
Clock programmed	3 625 - Time/date reset
Fire loop trouble restore	3 373 - Fire trouble restore
Fail to communicate with monitoring station	3 354 - Fail to communicate
RF jamming	3 344 - RF receiver jam detection
Combus fault	1 333 - Expansion module failure
Module tamper	1 341 - Expansion module tamper
Bus fault restore	3 333 - Expansion module failure restore
Module tamper restore	3 341 - Expansion module tamper restore
Cold start	1 3A8 - System shutdown
Test report engaged	1 6A2 - Periodic test report
PC software communication finished	1 412 - Successful - download access
Installer on site	1 627 - Program mode entry
Installer programming finished	1 628 - Program mode exit
Maintenance in	1 627 - Program mode entry
Maintenance out	1 628 - Program mode exit
Closing delinquency	1 654 - System inactivity
Module AC fail	1 342 - AC failure on module
Module AC fail restore	3 342 - AC restored on module
Module battery fail	1 338 - Battery failure on module
Module battery fail restore	3 338 - Battery failure on module
RF Module low battery	1 384 - RF transmitter low battery
RF Module battery restore	3 384 - RF transmitter battery restore
RF Module supervision trouble	1 381 - Loss of supervision - RF
RF Module supervision restore	3 381 - Supervision restore - RF
RF Module supervision lost	1 381 - Loss of supervision- RF
RF Module supervision restore	3 381 - Loss of supervision- RF restore
RF Module tamper	1 145 - Expansion module tamper
RF Module tamper restore	3 145 - Expansion module tamper restore
Paramedic alarm	1 1AA - Medical
Zone forced	1 57A - Zone forced
Zone included	3 57A - 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 25) 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 15) 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
[2] Power trouble	**[1]** Low/No battery on the control panel **[2]** AC failure on control panel **[3]** Auxiliary overload on control panel **[8]** Low power on GSM communication module
[3] Bell trouble	**[1]** Bell disconnect on control panel **[2]** Bell overload on control panel
[4] Communication trouble	**[1]** Telephone Line Monitoring on control panel **[2]** Fail to communicate on Monitoring Telephone 1 on control panel **[3]** Fail to communicate on Monitoring Telephone 2 on control panel **[4]** Fail to communicate on pager telephone on control panel **[5]** Fail to communicate on voice telephone on control panel **[6]** Fail to communicate with PC on control panel **[7]** Fail to communicate with IP receiver 1 or 2 (GPRS) (E65 panels only) **[8]** Fail to communicate with IP receiver 1 or 2 (IP) (E65 panels only) **[9]** GSM no service (GSM network failure) **[10]** IP Module No Service (network failure) (E65 panels only) **[STAY]** GSM RF jamming **[OFF]** IP Receiver Unregistered (IP/GPRS) (E65 panels only)
[5] Tamper and zone wiring failure	**[1]** to **[32]** Zones in tamper and zone wiring failure
[6] Module tamper trouble	**[2]** Keypad bus **[3]** ZX8 bus module **[6]** GSM bus module
[7] Fire loop trouble	**[1]** to **[32]** Zones in fire loop trouble
[8] Timer loss	
[0 (10)] or [10] Module supervision loss	**[2]** Keypad bus (Panel reset will not clear this trouble, clear it in section **[955]** on page 2.) **[3]** ZX8 bus module **[7]** PGM4 bus module **[8]** VDMP3 **[9]** PCS100 **[10]** IP100 (E65 panels only)
[16] Keypad fault (K32 only)	
[SLEEP] Keypad fault (K636 / K10V/H only)	

User Programming [QM] See Quick Menus on page 39

System Codes

[701] **General System Options**

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

Section	Data	Description
[395]	____/____/____(147 to lock, other to unlock)	Installer Code Lock (default 000)
[397]*	____/____/____/____/____/____	Installer Code (default = 000000)*
[398]	____/____/____/____/____/____	Maintenance Code (no default)
[399]*	____/____/____/____/____/____	System Master Code (default = 123456)*

*4 or 6 digits according to section [701] option [1]. The control panel automatically removes the last 2 digits of the user access code if the length is changed from 6 digits to 4 digits. However, if the user access code length is changed from 4 to 6 digits, the control panel copies the first 2 digits and uses them for digits 5 and 6.

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	**5 - Force Arming** (Regular/Sleep/StayArming)
2 - Partition 2 Access	6 - Arm Only
3 - Bypass Programming	7 - PGM Activation Only
4 - Stay/Sleep Arming	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:	①②③④⑤ 6 7 8	**[418]**	User 18:	1 2 3 4 5 6 7 8
[402]	Master 1:	① 2 ③④⑤ 6 7 8	**[419]**	User 19:	1 2 3 4 5 6 7 8
[403]	Master 2:	1 ②③④⑤ 6 7 8	**[420]**	User 20:	1 2 3 4 5 6 7 8
[404]	User 4:	1 2 3 4 5 6 7 8	**[421]**	User 21:	1 2 3 4 5 6 7 8
[405]	User 5:	1 2 3 4 5 6 7 8	**[422]**	User 22:	1 2 3 4 5 6 7 8
[406]	User 6:	1 2 3 4 5 6 7 8	**[423]**	User 23:	1 2 3 4 5 6 7 8
[407]	User 7:	1 2 3 4 5 6 7 8	**[424]**	User 24:	1 2 3 4 5 6 7 8
[408]	User 8:	1 2 3 4 5 6 7 8	**[425]**	User 25	1 2 3 4 5 6 7 8
[409]	User 9:	1 2 3 4 5 6 7 8	**[426]**	User 26:	1 2 3 4 5 6 7 8
[410]	User 10:	1 2 3 4 5 6 7 8	**[427]**	User 27:	1 2 3 4 5 6 7 8
[411]	User 11:	1 2 3 4 5 6 7 8	**[428]**	User 28:	1 2 3 4 5 6 7 8
[412]	User 12:	1 2 3 4 5 6 7 8	**[429]**	User 29:	1 2 3 4 5 6 7 8
[413]	User 13:	1 2 3 4 5 6 7 8	**[430]**	User 30:	1 2 3 4 5 6 7 8
[414]	User 14:	1 2 3 4 5 6 7 8	**[431]**	User 31:	1 2 3 4 5 6 7 8
[415]	User 15:	1 2 3 4 5 6 7 8	**[432]**	User 32:	1 2 3 4 5 6 7 8
[416]	User 16:	1 2 3 4 5 6 7 8			

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

User Report Codes (Default = FF)

[966]	Clear User Report Codes		
Option		**OFF**	**ON**
[2]	Clear user report codes*	☐ Disabled	☐ **Enabled**

* Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

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

*Press **[ENTER]** to reset the respective set of report codes to default before exiting the section.

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

NOTE: For reporting code format instructions, see Entering Report Codes on page 24. Refer to Decimal and Hexadecimal Values on page 3.

Hardware Connections

Single Zone Inputs

N.C. Contacts, No EOL
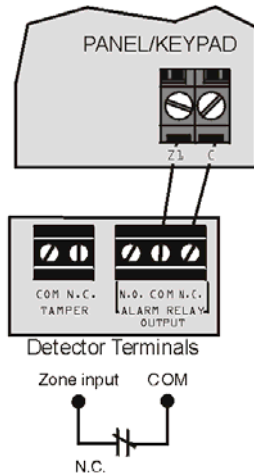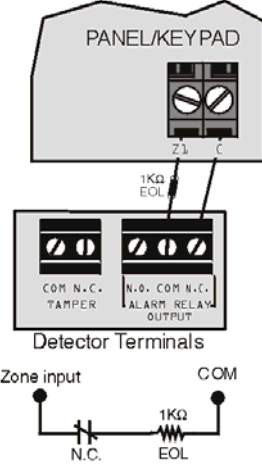
PANEL/KEYPAD

Z1   C

COM N.C.   N.O. COM N.C.
TAMPER   ALARM RELAY
              OUTPUT

Detector Terminals

Zone input   COM

N.C.

N.C., With EOL
UL/ULC Configuration

PANEL/KEYPAD

Z1   C

1KΩ
EOL

COM N.C.   N.O. COM N.C.
TAMPER   ALARM RELAY
              OUTPUT

Detector Terminals

Zone input   COM

N.C.   1KΩ
        EOL

N.O., With EOL
UL/ULC Configuration

PANEL/KEYPAD

Z1   C

1KΩ
EOL

COM N.C.   N.O. COM N.C.
TAMPER   ALARM RELAY
              OUTPUT

Detector Terminals

Zone input 1KΩ   COM
            EOL

N.O.

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

PANEL/KEYPAD

Z1   C

1KΩ

COM N.C.   N.O. COM N.C.
TAMPER   ALARM RELAY
              OUTPUT

Detector Terminals

Zone input   COM

              1KΩ
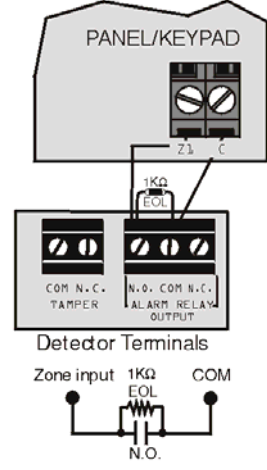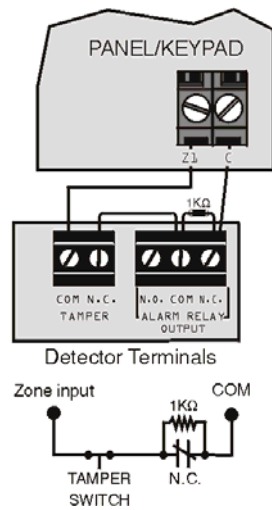
TAMPER   N.C.
SWITCH

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

PANEL/KEYPAD

Z1   C

1KΩ   1KΩ
EOL

COM N.C.   N.O. COM N.C.
TAMPER   ALARM RELAY
              OUTPUT

Detector Terminals

Zone input   COM

              1KΩ
        1KΩ

TAMPER EOL N.C.
SWITCH
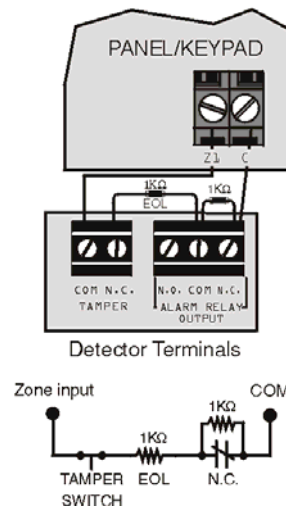
NOTE: Keyswitches are connected as standard zones and will follow ATZ options programmed in section [705] options [1] and [2] on page 8.

Advanced Technology Zone (ATZ) Connections

N.C. Contacts, No EOL
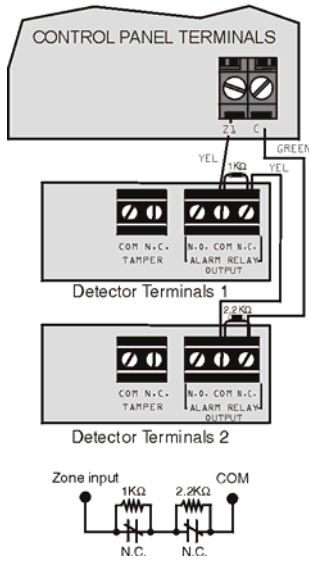
N.C. Contacts, No EOL, with Tamper Recognition
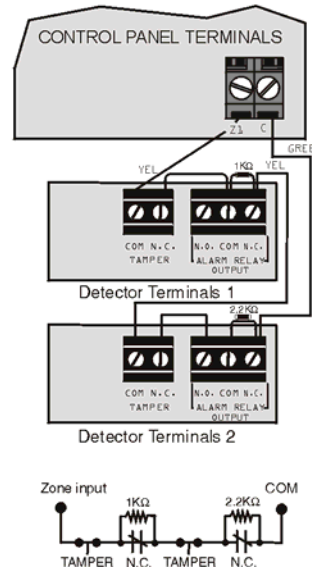
N.C. Contacts, with EOL, with Tamper and Wire Fault Recognition (UL/cUL)
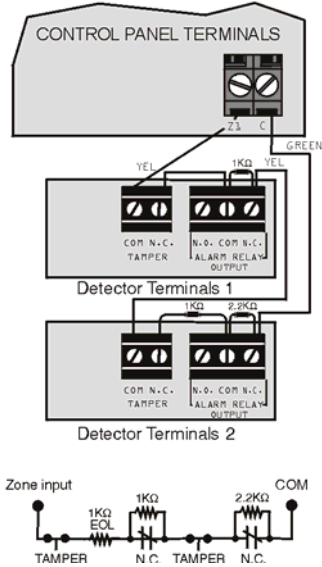
Parallel Wiring
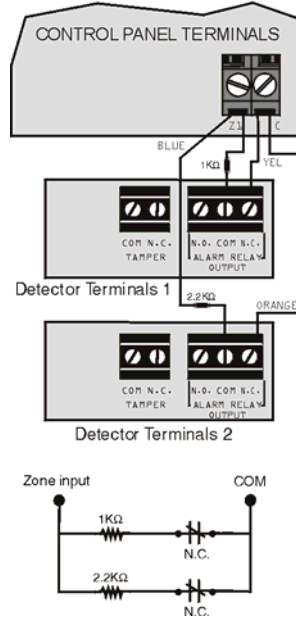
Connecting Fire Circuits

Fire Zones
UL/ULC Installation
Control Panel Terminals

PG1
+ AUX -
1 C

Smoke detector
Smoke detector

MR3-UL
1KΩ EOL
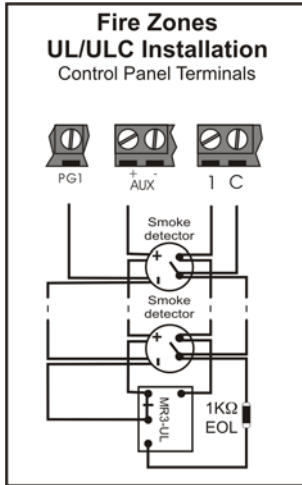
Single Fire Zone Connections Only
If the ATZ feature is enabled, do not use the extra input (i.e. in the above example, input 005 cannot be used as a zone).

NOTE: It is recommended that the smoke detectors be connected in a daisy chain configuration.

Alarm Relay and PGM Connections

PGM: Negative Relay Output E55 / E65

CONTROL PANEL TERMINALS

PG1 AUX
WHT
BLK RED
MR3-UL
BRN YEL
COM N.C. N.O.

PGM: Positive Relay Output E65 Only

CONTROL PANEL TERMINALS

PG1 AUX
WHT
BLK RED
MR3-UL
BRN YEL
COM N.C. N.O.
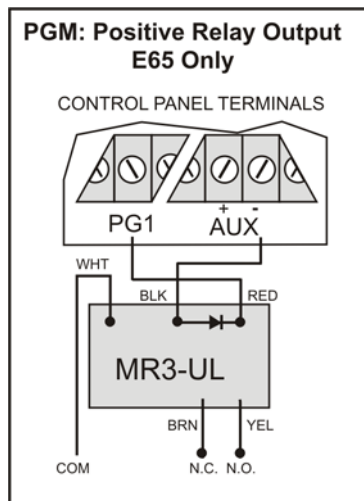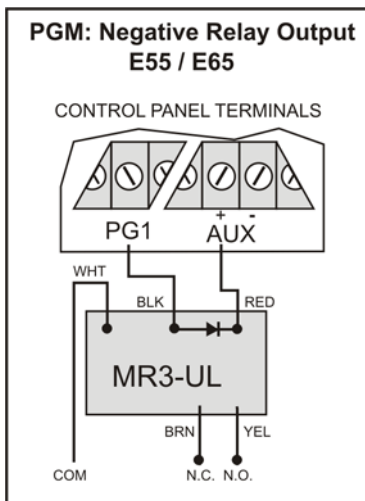
PGM Power Source	
AUX + terminal	= E55 current consumption must not exceed 450mA
	= E65 current consumption must not exceed 500mA
External power supply	= PGM cannot exceed 150mA exceed the power supply's current limit

NOTE: For PGM options, see page 23.

AC Power & Backup Battery Connections

Refer to transformer requirements on page 6 for Aux. Power Output.

Partial view of control panel

Transformer Requirements Table

Transformer:	16.5Vac transformer with minimum 20VA rating (40VA recommended), 50-60Hz
DC Power Supply rated at:	12Vdc, 4Ah/7Ah
Auxiliary Supply can provide a maximum of:	(E55) 450mA, fuseless shutdown at 650mA (E65) 500mA, fuseless shutdown at 700mA
Acceptable Battery Charge Current	1.1A
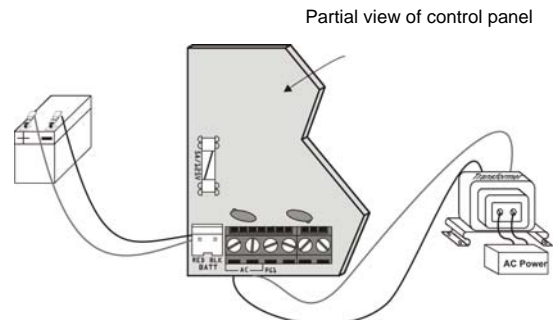
⚠️ *Improper connection of the transformer may result damage to the system.*
Disconnect battery before replacing the fuse.

Connecting to WinLoad

Computer containing WinLoad software — Standard DB-9 cable -9-pin serial cable (USB cable may also be used) — 307 Adapter (CONV4USB Converter may also be used) — 4-pin connector cable — Serial Connector
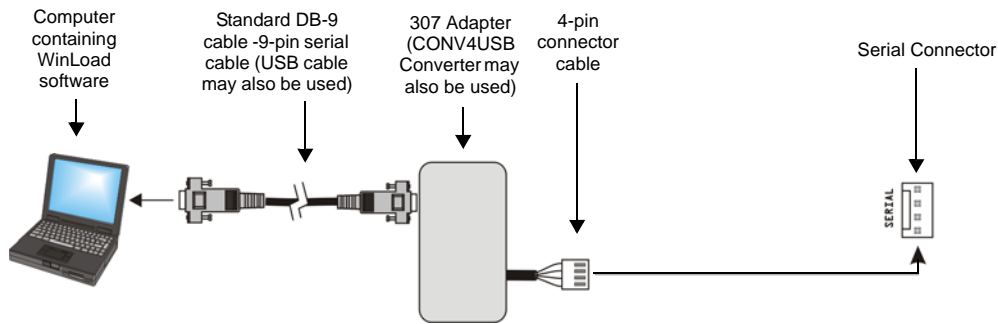
Updating Firmware Using WinLoad

To update your system firmware:

1. Connect the product to your computer using a 307USB Direct Connect Interface or CONV3USB Converter.

2. Start WinLoad Installer Upload/Download Software.

3. Click the **In-field Programmer button**.

4. Verify the product information located in the In-Field Firmware Programmer window.

5. 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.

6. To check for new updates, click the **Download Firmware from the web** button.

7. From the Select Firmware drop-down box, select the firmware version you wish to install.
   or
   If you have already downloaded the .pef file from paradox.com, click the **[...]** button and select the location of the .pef file.

8. Click the **Update product firmware** button.

9. 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.

(8x10")
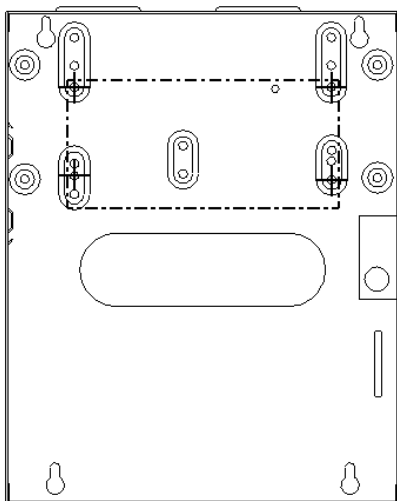
(11x11")
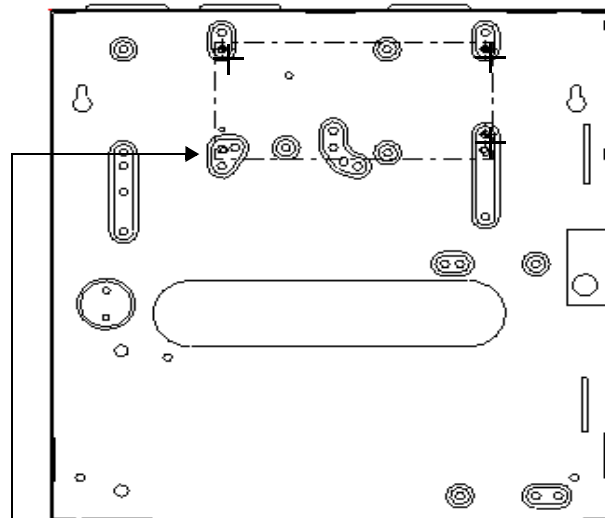
For the bottom left mounting hole, instead of a plastic standoff, use double-sided tape.

E55 PCB Layout

DIALER and EBUS port used for voice reporting with the **VDMP3** plug-in voice module.

Paradox Memory Key (PMC-4, PMC5)

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

DIALER port used for GSM reporting using the **PCS100** GSM Communicator Module.

Refer to PGM Connections on page 35.

Refer to *AC Power & Backup Battery Connections on page 35.*

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

Refer to Hardware Connections page 33.

Used for connecting the **IP100** Internet Module. Also used for In-Field Firmware upgrade through a 307USB Direct Connect Interface. See Connecting to WinLoad on page 36 for details.

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

Connect to any Common input.

Disconnect telephone line before servicing.

AWG#14 single conductor solid copper wire

Ground clamp

Cold water pipe grounding

To metallic enclosure

AUX Power
For AC power connection information, see AC Power & Backup Battery Connections on page 35.

Keypad

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 33.

40VA transformer strongly recommended. Exceeding this limit will overload the panel power supply and lead to complete system shutdown.

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 E55 Reference & Installation Manual.

Max. number of keypads = 15 keypads　　　*Max. aux. current = 650 mA*
Max. distance of keypad from panel = 76m (250 feet)　　　*Max. total run of wire = 230m (750 feet)*

E65 PCB Layout

The **VDMP3** Plug-In Voice Module must be stacked on top of the PCS100.

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

Refer to *AC Power & Backup Battery Connections on page 35.*

Refer to PGM Connections on page 35.

Paradox Memory Key (PMC-4, PMC5)

Used for connecting the **IP100** Internet Module. Also used for In-Field Firmware upgrade through a 307USB Direct Connect Interface. See Connecting to WinLoad on page 36 for details.

Refer to Hardware Connections page 33.

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

Connect to any Common input.

AWG#14 single conductor solid copper wire

Ground clamp

Cold water pipe grounding

To metallic enclosure

AUX Power
For AC power connection information, see AC Power & Battery Connections on page 35.

Keypad

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 33.

AC PG1 PG2 PG3 +BELL⁻ +AUX⁻ GRN YEL 1 C 2 3 4 C 5 6 7 C 8 P/T

ZONE RED BLK GRN YEL

⚠️ *40VA transformer strongly recommended. Exceeding this limit will overload the panel power supply and lead to complete system shutdown.*

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 E65 Reference & Installation Manual.

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

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 6 for the zone type (zone definition).
5	Assign Partition [1] and/or [2] + [ENTER]	Assign the zone to one or both partitions and press [ENTER]. By default, all zones are assigned to partition 1. Goes to next available zone.

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]*	K32LED / K32I = 2 digits: 01 to 32 K10V/H / K636 = 1 digit: 1 to 0(10) (can only assign zones 1-10) * To erase a keypad zone number, press [CLEAR], then [ENTER].

Delays

Step	Action	Details
1	(⏻) + [INSTALLER CODE]	(⏻) = flash. [MAINTENANCE CODE] may also be used.
2	(TBL)	
3	[1] = Entry Delay 1 (default = 045 sec.) [2] = Entry Delay 2 (default = 045 sec.) [3] = Exit Delay (default = 060 sec.) [4] = Bell Cut-Off (default = 004 min.)	
4	[000] to [255]	Entry/Exit Delay = seconds / Bell Cut-Off = minutes

Time and Date

Step	Action	Details
1	(⏻) + [INSTALLER CODE]	(⏻) = flash. [MAINTENANCE CODE] may also be used.
2	(TBL) + [5]	
4	[HH:MM]*	Enter time.
5	[YYYY/MM/DD]	Enter date.

*Time must be entered in 24-hour format.

Walk Test Mode

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

Installer and Maintenance Codes

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

WinLoad

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

Monitoring Phone

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

Communicator

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

Cancel Communication

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

PGMs

Step	Action	Details
1	(⏻) + [INSTALLER CODE]	(⏻) = flash. Programmed zones are lit (button or LED depending on keypad). [MAINTENANCE CODE] may also be used.
2	(BYP)	
3	[PGM NUMBER]	2 digits: 01 to 12
4	[ENROLL OR ERASE PGM]*	Hardwired PGM = press [ENTER]. *To erase a PGM, press the [SLEEP] key for 3 seconds.
5	[PGM TYPE]	1 = N/A 5 = Follow Bell 2 = N/A 6 = Follow Arm 3 = Follow Zone 7 = Follow Stay arm 4 = Follow Alarm 8 = Follow Sleep arm
6	If PGM type is 3, or 4 [ACTIVATION DELAY]	1 = Follow 4 = 15 seconds 7 = 5 minutes 2 = 1 second 5 = 30 seconds 8 = 15 minutes 3 = 5 seconds 6 = 1 minute 9 = 30 minutes
	If PGM type is 5 Goes to next available PGM.	
	If PGM type is 6, 7, or 8 [1] and/or [2] + [ENTER]	If system is partitioned, select partition(s) and press [ENTER]. Goes to next available PGM.
7	If PGM type is 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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Sections

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

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