

SMART LINK

Tomorrow's Technology Today



A division of Ness Corporation

www.smartlink.com.au



Medi-Minder Guardian



INSTALLATION MANUAL

Medi-Minder Guardian Installation Manual Rev1.3



“A division of NESS CORPORATION PTY LTD”

© Copyright SmartLink

July 2018

**Unit 4/56 Norcal Rd,
Nunawading VIC 3131 Australia
Tel: +61 3 9875 6400 Facsimile: +61 3 9875 6422**

[Email: smartlink@ness.com.au](mailto:smartlink@ness.com.au)

[Web Site: www.smartlink.com.au](http://www.smartlink.com.au)

SmartLink Medi-Minder Guardian Installation Manual Rev 1.3

For Product: Medi-Minder Guardian 3G



© Ness Corporation Pty Ltd ABN 28 069 984 372
Specifications may change without notice.

Ness Corporation manufacturing processes are accredited to ISO9001 quality standards and all possible care and diligence has been applied during manufacture to ensure the reliable operation of this product. However there are various external factors that may impede or restrict the operation of this product in accordance with the product's specification.

These factors include, but are not limited to:

1. Erratic or reduced radio range. Ness radio products are sophisticated low power devices, however the presence of in-band radio signals, high power transmissions or interference caused by electrical appliances such as wireless routers, cordless phones, computers, TVs and other electronic devices may reduce the range performance. While such occurrences are unusual, they are possible. In this case it may be necessary to either increase the physical separation between the Ness receiver and other devices or if possible change the radio frequency or channel of the other devices.
2. Unauthorised tampering, physical damage, electrical interruptions such as mains failure, electrical spikes or lightning.

1. Contents

1.	CONTENTS.....	2
2.	EQUIPMENT LIST.....	2
3.	INTRODUCTION.....	3
4.	MEDI-MINDER GUARDIAN FEATURES.....	4
5.	PROGRAMMING.....	5
	5.1 PROGRAMMING RULES.....	5
	5.2 PROGRAMMING OPTIONS.....	5
	5.3 PRODUCT PROGRAMMING (DEFAULT = ADEMCO).....	5
6.	PROGRAMMING OPTIONS.....	6
	6.1 PROGRAMMING MAIN MENU OPTIONS.....	6
	6.2 PROGRAMMING SUB MENU OPTIONS.....	7
7.	SETTING TIME & DATE.....	22
8.	UP/DOWNLOAD SOFTWARE.....	22
9.	CELLULAR SIGNAL QUALITY.....	23
10.	CELLULAR UDP/SERVER.....	23
11.	NORMAL/OPERATION MODE.....	24
12.	DISPLAYS & WARNINGS.....	24
13.	DIALLER REPORTING FORMAT.....	25
	13.1 ADEMCO HIGH SPEED EXTENDED REPORTING.....	25
	13.2 CONTACT ID REPORTING.....	26
	13.3 BRITISH DTMF (UNIVERSAL) REPORTING.....	27
14.	SPECIFICATIONS.....	28

2. Equipment List

A Medi-Minder Guardian consists of the following equipment:

1. Medi-Minder Guardian 3G
2. Waterproof 2 Way Pendant (106-183)
3. 9VDC 300mA Regulated Plug Pack (840-050)
4. User Manual (890-468)

3. Introduction

Your SmartLink Medi-Minder Guardian has been designed to provide you with the freedom and peace of mind in that, should you need assistance or HELP, it is available to you 24 hours a day with the simple press of a Button.

The modern slim line design of the SmartLink Medi-Minder Guardian allows it to be installed unobtrusively anywhere and is ready when you need help. HELP can be summonsed by pressing a Button on your personal Pendant or Wristwatch, which you can wear both inside your home or outside in the garden, ready for any emergency, giving you the freedom you enjoy for total control at all times.

The SmartLink Medi-Minder Guardian has been built to the highest of technical standards for the protection of people and property and manufactured to Australian and International quality standards.

Your SmartLink Medi-Minder Guardian can be supplied with additional fixed or portable Radio Key Pendants, which can be worn or placed around the home as needed. Please contact your supplier for more information.

RADIO KEY PENDANTS

**Wrist/Neck Chain
or Fixed Waterproof
2 Way Pendants**

(106-183)



(915.8 to 927.2 MHz)

**TWR Wall Mounted
Wireless Call Point**

(100-841)



**Neck Chain or
Wristwatch Waterproof
VIBRATING 2 Way Pendant**

(106-223)



RADIO DETECTORS

**PSA Smoke Detector
Interface TWR
(3 Wire)**

(106-293)



**PSA 240VAC Smoke
Detector with 9V Lithium
Rechargeable Battery
LIF5800RL/2**

(100-014)



**TWR LUX PIR with inbuilt
LED Night Light (Inactivity)
(2 x CR123A 3V Batteries)**

(100-835)



4. Guardian Features

Plug Pack
9V DC 300mA
(Part No. 840-050)



Rechargeable Battery
4.8V Ni-MH 1600mAh
(Part No. 142-031)



Direct Serial DB9 Pin
Programming Lead
(Part No. 450-185)



Hardwired Inputs & Outputs
Lead Assy 230mm 6 Way
(Part No. 450-191)

Common - Black
Input 1 - Red
Input 2 - White
Output 1 - Brown
Output 2 - Green
Output 3 - Blue

SIM Card

RS232 Programming

Aux Inputs/Outputs






Battery ON-OFF Switch

POWER 9VDC ONLY

5. Programming

5.1 Programming Rules

The easiest way to program the Medi-Minder Guardian is to use the large CANCEL (Green) Button and the HELP (Red) Button on the Medi-Minder Guardian.

1		Press the CANCEL (Green) Button on the Medi-Minder Guardian to scroll through the Main Menu Options or the Sub Menu Options.
2		Press the HELP (Red) Button on the Medi-Minder Guardian to view the programmed value for that option. The values will be displayed flashing. To step through values, press the HELP (Red) Button again.
3		To store an option selected, press the CANCEL (Green) and HELP (Red) Buttons at the same time. The Medi-Minder Guardian will beep twice while flashing the display to acknowledge that the option has been selected.

5.2 Programming Options

NOTE: If NO Buttons on the Medi-Minder Guardian or the Radio Key Pendants have been pressed within 1 minute, the Unit will revert back to NORMAL OPERATION MODE (NB: A Client Account Number and at least one Phone Number must be programmed in for the Medi-Minder Guardian to Exit Program Mode and enter Normal Operation Mode).

To enter Programming Options:

1. The Medi-Minder Guardian must be turned Off by unplugging the Mains and the Battery Switch must also be Off.
2. Turn the Battery Switch to On and plug in the Mains.
3. Medi-Minder Guardian will display the version number eg. “2.1” for 2 seconds and beep once.
4. “PE” is displayed to indicate that it is in Programming Options.
5. Now go to **Section 6. Programming Options.**

5.3 Product Programming (Default = Medi-Minder Ademco)

Note: Skip this Section if you're NOT changing the Product Type.

The Product Type is programmed by entering the Special Code on the Medi-Minder Guardian. This will reset all Programming Options and will have to be completely reprogrammed again in the new mode. If the code is unknown then the Medi-Minder Guardian will default to the previous Product Type and it's Option Programming will be maintained. The Medi-Minder Guardian will remain in this Mode for only 1 minutes if the code hasn't been entered.
















To enter Product Programming:

1. The Medi-Minder Guardian must be turned Off by unplugging the Mains and the Battery Switch must also be Off.
2. Hold down the **CANCEL (Green) and HELP (Red) Buttons** and Power up the Medi-Minder Guardian.
3. Medi-Minder Guardian will beep once while “PP” will be displayed to indicate that it is in Product Programming.
4. **Using the CANCEL (Green) and HELP (Red) Buttons, a Code may be entered as follows:**
 - a. Medi-Minder Guardian ADEMCO - Press **CANCEL, CANCEL, CANCEL, HELP**
 - b. Medi-Minder Guardian CONTACT ID - Press **CANCEL, HELP, CANCEL, HELP**
 - c. Medi-Minder Guardian BRITISH DTMF - Press **HELP, HELP, CANCEL, HELP**
5. Press the **CANCEL (Green) and HELP (Red) Buttons at the same time** to acknowledge end of Product Programming. The Medi-Minder Guardian will beep once while “PE” is displayed to indicate that it is in Programming Options. **Now go to Section 6. Programming Options.**

6. Programming Options

6.1 Programming Main Menu Options

The easiest way to program the Medi-Minder Guardian is to use the large CANCEL (Green) Button and the HELP (Red) Button on the Medi-Minder Guardian. Press the CANCEL (Green) Button to scroll through the Main Menu Options.

Option	Page	Descriptions
	7	CLIENT ACCOUNT Programming Options
	7	PHONE NUMBERS Programming Options
	8	SERVER Options
	9	PENDANTS Programming Options
	10	DETECTORS Programming Options
	11	HARDWIRED INPUTS Programming Options
	11	AUXILIARY OUTPUTS Programming Options
	12	PREFERENCES Programming Options
	16	SYSTEMS Programming Options
	17	CELLULAR Options
	18	DAYLIGHT Programming Options
	19	TIMERS Programming Options
	20	REPORTS Programming Options
	21	DOORBELL TUNES Programming Options
	21	EXIT PROGRAM MODE

6.2 Programming Sub Menu Options

The Sub Menu Options are displayed for each particular Main Menu Option.

6.2.1 CLIENT ACCOUNT NUMBER Programming Option



Client Account Number (Default - unprogrammed)

Note - ADEMCO & CONTACT ID Versions - 4 Digits Only.

Note - BRITISH DTMF Version only - up to 12 Digits maximum.



1. “_A” is displayed. Press the HELP Button.
2. “CA” is displayed. Press the HELP Button again to view programmed Client Account Number. The programmed Client Account Number will flash on status display. If you wish to view the Client Account Number again, press the CANCEL and then HELP Button. “-” is displayed and flashes on the unit.
3. Pressing the HELP Button again to step through the digits (1, 2, 3, 4, 5, 6, 7, 8, 9 and 0). To **STORE** each digit, press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until all digits are programmed.
4. Press the CANCEL Button to display the programmed Phone Number stored. The unit will flash on status display for each digit and beep twice at the end of the Client Account Number stored.
5. Press the CANCEL Button to move to the next Program Option.

6.2.2 PHONE NUMBERS Programming Options - 30 Digits Maximum



Primary Phone Number - Monitoring Centre Phone Number 1



1. “_n” is displayed. Press the HELP Button.
2. “n1” is displayed. Press the HELP Button again to view programmed Phone Number. The programmed Phone Number will be flashed on status display. If you wish to view the Phone Number again, press the CANCEL and then HELP Button. “-” is displayed and flashes on the unit.
3. Pressing the HELP Button again to step through the digits (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, t, H and -). To **STORE** each digit, press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until all digits are programmed.
4. Press the CANCEL Button to display the programmed Phone Number stored. The unit will be flashed on status display for each digit and beeps twice at the end of the Phone Number stored.
5. Press the CANCEL Button to move to the next Program Option.



Secondary Phone Number – Monitoring Centre Phone Number 2



Mobile Phone Number 1 – VOICE Only Reporting



Mobile Phone Number 2 – Mobile Phone TEXTING/MESSAGES



Default Values – Deletes/Erases all the Phone Programming to Default Values

Warning! This will Deletes/Erases all Programmed Phone Numbers n1 to n4

6. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Phone Numbers (n1 to n4) have been Erased.
7. Press the CANCEL Button to move to the next Program Option.



**Note: The easiest way to program the
SERVER Programming Options is to use the
SmartLink Up/Download Programmer Software (Medi-Minder)**

S1**Server 1 IP Address - (up to 30 Digits/Characters Maximum)**

-	Note: Programmed as the first Digit will delete Server 1 URL
---	---

0	to	9	Digits - 0 to 9
---	----	---	------------------------

.	Dot
---	------------

A	to		Characters - A to Z and a to z
---	----	--	---------------------------------------

1. “_N” is displayed. Press the HELP Button.
2. “S1” is displayed. Press the HELP Button again to view programmed **Server 1 IP Address**. The programmed Server 1 IP Address will be flashed on status display. If you wish to view the Server 1 IP Address again, press the CANCEL and then HELP Button. “-” is displayed and flashes on the unit.
3. Pressing the HELP Button again to step through the digits (**0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, ., A to Z**). To **STORE** each digit, press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until all digits are programmed.
4. Press the CANCEL Button to display the programmed Server 1 IP Address stored. The unit will be flashed on status display for each digit and beeps twice at the end of the Server 1 IP Address stored.
5. Press the CANCEL Button to move to the next Program Option.

P1**Server 1 Port Number - (up to 5 Digits Maximum)**

-	Note: Programmed as the first Digit will delete Server 1 Port Number
---	---

0	to	9	Digits - 0 to 9
---	----	---	------------------------

6. “P1” is displayed. Press the HELP Button.
7. “-” is displayed. Press the HELP Button again to view programmed **Server 1 Port Number**. The programmed Server 1 Port Number will be flashed on status display. If you wish to view the Server 1 Port Number again, press the CANCEL and then HELP Button. “-” is displayed and flashes on the unit.
8. Pressing the HELP Button again to step through the digits (**0, 1, 2, 3, 4, 5, 6, 7, 8, and 9**). To **STORE** each digit, press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until **all digits are programmed**.
9. Press the CANCEL Button to display the programmed Server 1 Port Number stored. The unit will be flashed on status display for each digit and beeps twice at the end of the Server 1 Port Number stored.
10. Press the CANCEL Button to move to the next Program Option.

S2**Server 2 IP Address - (up to 30 Digits/Characters Maximum)****P2****Server 2 Port Number - (up to 5 Digits Maximum)****dF****Default Values – Deletes/Erases all the Server Programming to Default Values****Warning! This will Deletes/Erases all Programmed Servers**

11. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Server Numbers (S1, P1, S2 and P2) have been Erased.
12. Press the CANCEL Button to move to the next Program Option.

6.2.4 PENDANTS Programming Options



User Key 1 (Pendant) Programming - (Ademco & British DTMF)

	un-programmed	No Radio Key Pendant has been programmed for User Key 1			
	Help	Where	ON = Call	OFF = Call	PANIC = Call
	Call	Where	ON = Emergency	OFF = Restore	PANIC = Emergency
	Help/Call	Where	ON = Call	OFF = Restore	PANIC = Emergency
	Call/Help	Where	ON = Emergency	OFF = Restore	PANIC = Call
	Security	Where	ON = Arm	OFF = Disarm	PANIC = Call
	Answer	Panic - Initiates Call or if rings are detected will answer the incoming phone call			
	Dementia	1 Button Blue Radio Key initiates Call on inactivity.			
	Door Bell	1 Button Key where Panic - Initiates Door Bell Tune 1, 2 and 3			
	Erase	Erase/Delete Programmed Radio Key.			

To Program a NEW Radio Key Pendant (User Key):

1. “_u” is displayed. Press the HELP Button.
2. “u1” is displayed. Press the HELP Button again on the unit. The unit must display “- ” (unprogrammed). Press any Button on a NEW Radio Key Pendant 3 times. The unit will beep with each Button press and on the third Button press, beep twice to acknowledge the Radio Key Pendant is programmed. The status display will also display and flash “HP” Help to indicate that the Radio Key Pendant is programmed.

NOTE: If the unit gives a long beep on Button presses and displays “- ” it indicates that the Radio Key Pendant has already been programmed into the unit.
3. Then, using the HELP Button to select an option **HP**, **CL**, **HC**, **CH**, **Sc**, **An**, **dE**, **b1**, **b2**, or **b3** for the Radio Pendant. To **STORE** an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
4. Press the CANCEL Button to move to the next Program Option.

To Erase a Radio Key Pendant (User Key):

1. Go to the Pendant Option you wish to erase “u1” to “u8”.
2. Press the HELP Button to select/until an option “Er” Erase.
3. Press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display “- ” to indicate that a Radio Key Pendant has been erased.
4. Press the CANCEL Button to move to the next Program Option.



User Key 1 (Pendant) Programming - (Contact ID Version only)

	un-programmed	No Radio Key Pendant has been programmed for User Key 1			
	Security	Where	ON = Arm	OFF = Disarm	PANIC = 120
	Medical	Where	ON = Arm	OFF = Disarm	Delay PANIC = 100
	Duress	Where	ON = Arm	OFF = Disarm	Silent PANIC = 121
	Delay Panic	Where	ON = Arm	OFF = Disarm	Delay PANIC = 100
	Panic	Where	ON = Arm	OFF = Disarm	PANIC = 120
	Answer	Initiates Delay Panic (120) or if rings are detected will answer the Phone Call.			
	Dementia	1 Button Blue Radio Key initiates Call on inactivity.			
	Door Bell	1 Button Key where Panic - Initiates Door Bell Tune 1, 2 and 3			
	Erase	Erase/Delete Programmed Radio Key.			



to User Keys (Pendants) 2 – 8 Programming



Default Values – Deletes/Erases all Programmed User Keys (Pendants) u1 to u8

Warning! This will Deletes/Erases all Programmed User Keys (Pendants) u1 to u8

1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Radio Key Pendants (User Keys u1 to u8) have been Deleted/Erased.
2. Press CANCEL Button to move to the next Program Option.

6.2.5 **d** DETECTORS Programming Options

d1

Detector 1 Programming - (Ademco & British DTMF)

-	unprogrammed	No Detector has been programmed for Detector 1.		
Fi	Fire	24 hour Alarm, always Active (initiates Emergency).		
Al	Alarm	In-active when DISARMED, Active when ARMED (initiates Emergency).		
IA	Inactivity	Alarms if un-active when DISARMED (initiates Emergency on Channel 7 only), In-active when ARMED.		
b1	b2	b3	Door Bell	Sounds the programmed Door Bell Tune 1, 2 & 3 when in DISARMED Mode, acts like a Alarm Detector when in ARMED Mode (initiates Emergency).
Er	Erase	Erase/Delete Programmed Detector.		

To Program a NEW Detector:

1. “_d” is displayed. Press the HELP Button.
2. “d1” is displayed. Press the HELP Button again on the unit. The unit must display “- ” (unprogrammed). Trigger a NEW Detector (3 transmissions must be detected). The unit will beep with each transmission and on the third transmission beep twice to acknowledge the Detector is programmed. The status display will also display and flash “Fi” Fire to indicate that the Detector is programmed.

NOTE: If the unit gives a long beep on the first transmission and displays “- ” it indicates that the Detectors has already been programmed into the unit.
3. Then, using the HELP Button to select an option **Fi**, **Al**, **IA**, **b1**, **b2**, or **b3** for the Detector .
4. To **STORE** an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
5. Press the CANCEL Button to move to the next Program Option.

To Erase a Detector:

1. Go to the Detector Option you wish to erase “d1” to “d8”.
2. Then, using the HELP Button to select/until an option “Er” Erase.
3. Press the CANCEL and HELP Buttons at the same time. The will beep twice while flashing the display “- ” to indicate that a Detector has been erased.
4. Press the CANCEL Button to move to the next Program Option.

d1

Detector 1 Programming - (Contact ID Version only)

-	unprogrammed	No Detector has been programmed for Detector 1.		
Fi	Fire	24 hour Alarm, always Active (133).		
Al	Alarm	In-active when DISARMED, Active when ARMED (130).		
Ho	Home	In-active when DISARMED, Active when ARMED & in HOME Mode (131).		
S.	Silent	In-active when DISARMED, Active when ARMED (Silent 130).		
IA	Inactivity	Alarms if un-active when DISARMED (initiates Emergency on Channel 7 only), In-active when ARMED (355).		
b1	b2	b3	Door Bell	Sounds the programmed Door Bell 1, 2 & 3 tune when in DISARMED or in HOME Mode, acts like an Alarm Detector when ARMED.
Er	Erase	Erase/Delete Programmed Detector.		

d2

to **d8** Detectors 2 – 8 Programming

dF

Default Values – Deletes/Erases all Programmed Detectors d1 to d8

Warning! This will Deletes/Erases all Programmed Detectors d1 to d8

1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Detectors (Detectors d1 to d8) have been Deleted/Erased.
2. Press the CANCEL Button to move to the next Program Option.

6.2.6

**HARDWIRED INPUTS Programming Options****Input 1 (Reports to Channel 5)****Disabled - N/O (Common and Inputs)**Ademco & British DTMF Versions:**Help – Initiates Call when Closed****Call – Initiates Emergency when Closed****Answer “An” – Answer the Phone Call****Door Bell 1 – Door Bell Tune 1****Door Bell 2 – Door Bell Tune 2****Door Bell 3 – Door Bell Tune 3**Contact ID Version only:**Security – Initiates Panic (120)****Medical – Initiates Delay Panic (100)****Duress – Initiates Silent Panic (121)****Answer – Initiates Delay Panic (120)****Door Bell 1 – Door Bell Tune 1****Door Bell 3 – Door Bell Tune 3**

1. “_i” is displayed. Press the HELP Button on the unit.
2. “i1” is displayed. Press the HELP Button again to view programmed option.
3. “d” is displayed. Pressing the HELP Button to step through **d**, **HP**, **CL**, **An**, **b1**, **b2** and **b3** Options.
4. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
5. Press the CANCEL Button to move to the next Program Option.

**Input 2 (Reports to Channel 6)****Default Values – Sets all the Inputs Programming Options to Default Values**Warning! This will Sets all Inputs Programming Options to Default Values

1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Inputs (Inputs i1 to i2) have been Disabled.
2. Press the CANCEL Button to move to the next Program Option.

6.2.7

**AUXILIARY OUTPUTS Programming Options****Auxiliary Output 1 - (Open Collector Output to Ground when Activated)****OFF (Output Disabled)****Enabled Output for 1 to 9 minutes & if Alarm Restored then Output is switched Off.****Toggles Output On when in Alarm & if Alarm Cancelled/Restored then Output is switched Off.**

1. “_o” is displayed. Press the HELP Button on the unit.
2. “o1” is displayed. Press the HELP Button again to view programmed option.
3. “d” is displayed. Pressing the HELP Button to step through the digits **d**, **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9** and **t**
4. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
5. Press the CANCEL Button to move to the next Program Option.

**Auxiliary Output 2 - (Open Collector Output to Ground when Activated)****Auxiliary Output 3 - (Open Collector Output to Ground when Activated)****Radio Programming (Default O = OFF)****Default Values – Sets all Output Programming Options to Default Values**Warning! This will Sets all Output Programming Options to Default Values

1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Outputs (Outputs o1 to o3) have been Disabled.
2. Press the CANCEL Button to move to the next Program Option.

6.2.8 PREFERENCES Programming Options



Unit Help Button - (Ademco & British DTMF Versions)



Call = Initiates Emergency



Help = Initiates Call

1. “_P” is displayed. Press the HELP Button.
2. “un” is displayed. Pressing the HELP Button again toggles between “CL” Call and “HP” Help.
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button.



Unit Help Button Channel - (Ademco Version only)



1 to 8 = Unit Channel/Zone Reporting 1 to 8

1. “uC” is displayed. Press the HELP Button to view programmed option.
2. “6” is displayed. Pressing the HELP Button again to scroll through digits from “1” to “8”.
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button.



Unit Help Button - (Contact ID Version only)



 Panic – Panic 120 (Cancel/Green Button won’t Cancel/Restore Alarm)

 Answer – Entry Delay Panic 120 (Cancel/Green Button Restore & also answers Incoming Call)

 Security – Panic 120 (Cancel/Green Button Cancel/Restore Alarm)

 Medical – Entry Delay Panic 100 (Cancel/Green Button Cancel/Restore Alarm)

 Duress – Silent Panic 121 (Cancel/Green Button Cancel/Restore Alarm)

 Delay Panic – Entry Delay Panic 100 (Cancel/Green Button won’t Cancel/Restore Alarm)

1. “un” is displayed. Press the HELP Button to view programmed option.
2. “Pc” is displayed. Pressing the HELP Button again to scroll through (Pc, An, Sc, HP, du and dP).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button to move to the next Program Option.



Exit Time



10 to 60 Seconds - The time requesting Arm Mode and Medi-Minder Guardian being in that Mode.

1. “E1” is displayed. Press the HELP Button to view programmed time. “60” is displayed.
2. Pressing the HELP Button again to step through times (10, 20, 30, 40, 50 and 60 in 10 second steps).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button to move to the next Program Option.



Entry Time - (Contact ID Version only)



0 to 60 Seconds - Time between a Detector triggering and Medi-Minder Guardian alarming.

1. “En” is displayed. Press the HELP Button to view programmed time. “10” is displayed.
2. Pressing the HELP Button again to step through times (0, 10, 20, 30, 40, 50 and 60 in 10 second steps).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button.
















Pre-Alarm Time - (Ademco & British DTMF Versions)



0 to 60 Seconds - Time between a Key or Detector triggering and Medi-Minder Guardian alarming.

1. “PA” is displayed. Press the HELP to view programmed time. “10” is displayed.
2. Pressing the HELP Button again to step through times (0, 10, 20, 30, 40, 50 and 60 in 10 second steps).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button.

Lc	Lockout
E	Enabled - MediMinder Unit will Lockout any Detector (excluding those programmed with FIRE option) alarms that have alarmed more than 2 times in Arm Mode.
d	Disabled
	<ol style="list-style-type: none"> 1. “Lc” is displayed. Press the HELP Button to view programmed option. 2. “E” is displayed. Pressing the HELP Button again toggles between “E” Enabled and “d” Disabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
Su	Supervision of Detectors
d	d=disable, 1 to 24 Hours - Interval where at least one Supervision signal is expected from each Detector.
	<ol style="list-style-type: none"> 1. “Su” is displayed. Press the HELP Button to view programmed time. 2. “d” is displayed. Pressing the HELP Button again to step through the digits (d, 1 to 24). 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
In	Inactivity Timer
d	d = disabled, 1 to 200 = 0 to 200 Hours or 201 to 255 = 1 to 55 Minutes
	Note: Interval where at least one activity signal is expected from each individual Dementia Key or any Inactivity Detector. If a number greater than 255 is programmed, the unit will sound a long beep.
	<ol style="list-style-type: none"> 1. “In” is displayed. Press the HELP Button to view programmed time. The programmed time will flash on status display. If you wish to view the programmed time again, press CANCEL and then HELP Button. “-” is displayed and flashes on the unit. 2. Pressing the HELP Button again to step through the digits (d, 1, 2, 3, 4, 5, 6, 7, 8, 9 and 0). Press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until all digits are programmed. 3. Press the CANCEL Button to display the programmed time. The unit will flash on status display for each digit and beep twice at the end of the programmed time stored. 4. Press the CANCEL Button to move to the next Program Option.
Ir	Inactivity Restore
d	Disabled - Restores only by the Medi-Minder Guardian CANCEL (Green) Button.
E	Enabled - Restores if it receives an activity message from the particular Device or by the Medi-Minder Guardian CANCEL (Green) Button.
	<ol style="list-style-type: none"> 1. “Ir” is displayed. Press the HELP Button to view programmed option. 2. “d” is displayed. Pressing the HELP Button again toggles between “d” Disabled and “E” Enabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
SH	Quiet - (Ademco & British DTMF Versions)
d	Disabled - Medi-Minder Guardian beeps on all Key presses and Alarms.
E	Enabled - Medi-Minder Guardian beeps are suppressed. Medi-Minder Guardian will answer in LISTEN ONLY MODE. This does not effect the Hands Free Operation.
	<ol style="list-style-type: none"> 1. “SH” is displayed. Press the HELP Button to view programmed option. 2. “d” is displayed. Pressing the HELP Button again toggles between “d” Disabled and “E” Enabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.

	Phone Options
	Alternates between the programmed Phone No. (ie. n1->n2->n3->n4->n1->n2->etc).
	Priority to Monitoring Centre, refer to section Phone Numbers Programming.
	<ol style="list-style-type: none"> 1. “Ph” is displayed. Press the HELP Button to view programmed option. 2. “0” is displayed. Pressing the HELP Button again toggles between 0 & 1. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
	Answer Call
	3, 6 or 9 Minutes
	<p>Time after an alarm, the voice circuits are enabled for any incoming calls to be automatically answered.</p> <ol style="list-style-type: none"> 1. “Ac” is displayed. Press the HELP Button to view programmed time. 2. “6” is displayed. Pressing the HELP Button again to step through times (3, 6 or 9 minutes). 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
	Call Back Unit (Unit Help Button)
	Disabled or Enabled – Automatically Answers a Incoming Call after an alarm event (Unit Help Button).
	<ol style="list-style-type: none"> 1. “cu” is displayed. Press the HELP Button to view programmed option. 2. “E” is displayed. Pressing the HELP again toggles between “E” Enabled and “d” Disabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
	Call Back Pendants
	Disabled or Enabled – Automatically Answers a Incoming Call an alarm event (Pendants).
	<ol style="list-style-type: none"> 1. “cP” is displayed. Press the HELP Button on the unit. 2. “E” is displayed. Pressing the HELP again toggles between “E” Enabled and “d” Disabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
	Call Back Detectors
	Disabled or Enabled – Automatically Answers a Incoming Call after an alarm event (Detectors).
	<ol style="list-style-type: none"> 1. “cd” is displayed. Press the HELP Button on the unit. 2. “E” is displayed. Pressing the HELP again toggles between “E” Enabled and “d” Disabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
	Call Back Inputs
	Disabled or Enabled – Automatically Answers a Incoming Call after an alarm event (Inputs).
	<ol style="list-style-type: none"> 1. “ci” is displayed. Press the HELP Button on the unit. 2. “E” is displayed. Pressing the HELP again toggles between “E” Enabled and “d” Disabled. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.

Pb	Pabx Tones
E	<p>Enabled - Unit will automatically hang up if it detects a specific hang up signal (ie. short beep, long gap)</p> <p>Disabled - Medi-Minder Guardian will not detect a hang up so call needs to be either, manually terminated (Pressing the * Key twice), pressing the Guardian CANCEL (Green) Button (or the OFF Button on any 3 Button Pendant), or by waiting for the Guardian to time out.</p> <p>NB: “IF RUNNING ON A PABX SYSTEM, THIS OPTION SHOULD ALWAYS BE DISABLED.”</p> <ol style="list-style-type: none"> “Pb” is displayed. Press the HELP Button to view programmed option. “E” is displayed. Pressing the HELP Button again toggles between “E” Enabled and “d” Disabled. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Program Option.
rd	Rings Detected
2	<p>2 to 9 Number of Rings to detect before automatically answering after an alarm event.</p> <ol style="list-style-type: none"> “rd” is displayed. Press the HELP Button to view programmed Number of Rings. “2” is displayed. Pressing the HELP Button again to step through digits (2, 3, 4, 5, 6, 7, 8, or 9 Rings). To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Program Option.
Co	Country Dialing
1	AUSTRALIA (Force DTMF)
2	NEW ZEALAND
3	SINGAPORE, USA & CANADA
4	UK & EUROPE
	<ol style="list-style-type: none"> “Co” is displayed. Press the HELP to view programmed option. “1” is displayed. Pressing the HELP Button again to step through 1, 2, 3 & 4. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Program Option.
ud	Up/Download & Remote DTMF Control
1	Enabled all the time and DTMF Enabled
2	Enabled only in Program Mode and DTMF Enabled
3	Enabled all the time and DTMF Disabled
0	Enabled only in Program Mode and DTMF Disabled
	<ol style="list-style-type: none"> “ud” is displayed. Press the HELP Button to view programmed option. “1” is displayed. Pressing the HELP Button again to step through 0, 1, 2, & 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Program Option.
rb	RS232 Baud Rate
1	0 = Disabled, 1 = 9600, 2 = 19200, 3 = 38400, 4 = 57600 & 5 = 115200
	<ol style="list-style-type: none"> “rb” is displayed. Press the HELP Button to view programmed option. “1” is displayed. Pressing the HELP Button again to step through 0, 1, 2, 3, 4, & 5. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Program Option.
df	Default Values – Sets all Preference Programming Options to Default Values
	<p><u>Warning! This will Sets all Preference Programming Options to Default Values</u></p> <ol style="list-style-type: none"> “df” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Preference Programming Options have been defaulted. Press the CANCEL Button to move to the next Program Option.














6.2.9 **S** SYSTEMS Programming Options

SC	System Check (Check signal strength of Pendants and Detectors)	
-	NO Pendants/Detectors Received or 1 to 9 Signal Strength	
	<ol style="list-style-type: none"> 1. “S” is displayed. Press the HELP Button. “SC” is displayed. Press the HELP Button. Unit must display “-” to indicate that it is now ready to receive Test Signal Strength from Radio Keys and Detectors. 2. To Test a Pendant or Detector, press any Button on a Radio Key Pendant or Trigger a Detector. The unit will beep twice while flashing the display digit (1, 2, 3, 4, 5, 6, 7, 8 or 9). Press the CANCEL Button. 	
Lb	Unit CANCEL (GREEN) Light Brightness	
2	0 = OFF, 1 = Dimmed or 2 = Bright	
	<ol style="list-style-type: none"> 1. “Lb” is displayed. Press the HELP Button to view programmed option. “2” is displayed. 2. Pressing the HELP Button again to select (0, 1 or 2). To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL to move to the next Program Option. 	
LP	Listen Pin	
E	Enabled for listening to Monitoring Centre communication. Alarms only on first attempt “n1” Primary No.	d Disabled
	<ol style="list-style-type: none"> 1. “LP” is displayed. Press the HELP Button to view programmed option. “E” is displayed. 2. Pressing the HELP Button again to select between “E” or “d”. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Option. 	
uP	Microphone Sensitivity	
0	0, 1, 2 or 3 Microphone Sensitive	
	<ol style="list-style-type: none"> 1. “uP” is displayed. Press the HELP Button to view programmed Microphone. “0” is displayed. 2. Pressing the HELP Button again to select (0, 1, 2 or 3) Sensitivity. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Option. 	
SP	Speaker Volume	
2	0, 1, 2 or 3 Speaker Volume	
	<ol style="list-style-type: none"> 1. “SP” is displayed. Press HELP Button to view programmed Speaker Volume. “2” is displayed. 2. Pressing the HELP again to select (0, 1, 2 or 3) Volume. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button to move to the next Program Option. 	
bl	Line Balance Attenuation (Default 0 = 15.) refer SmartLink	
rl	Line In Level DTMF (Default 0 = Normal) refer SmartLink	
ol	Line Out Level DTMF (Default 0 = Normal) refer SmartLink	
rP	Report Pre-Time (Default 10 = Normal) refer SmartLink	
rt	Report Tone Time (Default 4 = Normal) refer SmartLink	
rQ	Report Quiet Time (Default 4 = Normal) refer SmartLink	
rb	Report Between Time (Default 10 = Normal) refer SmartLink	
rr	Radio Repeater (Default d = Disabled) refer SmartLink	
dF	Default Values – Sets all System Programming Options to Default Values	
	<p style="text-align: center;">Warning! This will Sets all System Programming Options to Default Values</p> <ol style="list-style-type: none"> 1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL System Programming Options have been defaulted. 2. Press the CANCEL Button to move to the next Program Option. 	



	Cellular Identity
	NB: Cannot be changed but are there for your reference only eg. 359769123456789
	Cellular Type
	NB: Cannot be changed but are there for your reference only eg. SIMCOMSIM5216J
	Cellular Revision
	NB: Cannot be changed but are there for your reference only eg. 1575B06SIM5216
	SIM Identity
	NB: Cannot be changed but are there for your reference only eg. 89610106069123456789
	SIM Provider
	NB: Cannot be changed but are there for your reference only eg. Telstra Mobile
	SIM APN
	<p>“SA” is displayed. Press the Help Button to View SIM APN Programmed digits.</p> <p>“-” is displayed. Pressing the Cancel & Help Buttons at the same time, the unit acknowledges while flashing each digits eg. telstra.m2m or telstra.internet (depending on the Service Provider).</p>
	Cellular Poll Time (default 60 = 60 minutes)
	<p>“Pt” is displayed. Press the Help Button to View Programmed digits (0 to 255 Minutes).</p> <p>To change the Cellular Poll Time, Pressing the Help Button to scroll through digits 0, 1, 2, 8 & 9</p> <p>To Store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.</p>
	Cellular Mode (default 5 = MediLink Setting) refer SmartLink
	Cellular In Level (default 0) refer SmartLink
.R icon"/>	Cellular In Attenuation (default 255) refer SmartLink
	Cellular Out Level (default 0) refer SmartLink
	Cellular Out Attenuation (default 136) refer SmartLink
	Cellular Sidetone Gain (default 16) refer SmartLink
	Network AMR (default d = Disabled) refer SmartLink
	Network Rate (default 1 = Full Rate Preferred) refer SmartLink
	Cellular Signal Quality
	<p>“SL” is displayed. (refer to Section 9. Cellular Signal Quality)</p> <p>Press the Help Button and the unit displays the Cellular Signal Quality from 1 to 31 (19 to 31 Very Strong, 6 to 18 Good (Industry Average), below 6 may need relocation or alternate Carrier)</p>
	Default Values – Sets all CELLULAR Programming Options to Default Values
	<p><u>Warning! This will Sets all Timers Programming Options to Default Values</u></p> <p>“dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL CELLULAR Programming Options have been defaulted.</p> <p>Press the CANCEL Button to move to the next Program Option.</p>

6.2.11 DAYLIGHT Programming Options

	DLS Begin Ordinal
	0 = Fixed, 1 = First, 2 = Second, 3 = Third, 4 = Fourth, 5 = Last & - = Disabled
	<ol style="list-style-type: none"> 1. “L” is displayed. Press the HELP Button. 2. “Lo” is displayed. Pressing the HELP Button again to step through 0, 1, 2, 3, 4, 5, and -. 3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 4. Press the CANCEL Button to move to the next Program Option.
	DLS Begin Day
	0 = Monday, 1 = Tuesday, 2 = Wednesday, 3 = Thursday, 4 = Friday, 5 = Saturday & 6 = Sunday
	If Ordinal is 0 = Fixed (0 to 31 resembling days of the month)
	<ol style="list-style-type: none"> 1. “Id” is displayed. Pressing the HELP Button again to step through 0, 1, 2, 3, 4, 5, and 6. 2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 3. Press the CANCEL Button to move to the next Program Option.
	DLS Begin Month
	1 = January, 2 = February, 3 = March, 4 = April 10 = October, 11 = November, 12 = December
	<ol style="list-style-type: none"> 1. “L_” is displayed. Pressing the HELP Button again to step through 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, and 12. 2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 3. Press the CANCEL Button to move to the next Program Option.
	DLS End Ordinal
	0 = Fixed, 1 = First, 2 = Second, 3 = Third, 4 = Fourth, 5 = Last & - = Disabled
	<ol style="list-style-type: none"> 1. “Lo” is displayed. Pressing the HELP Button again to step through 0, 1, 2, 3, 4, 5, and -. 2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 3. Press the CANCEL Button to move to the next Program Option.
	DLS End Day
	0 = Monday, 1 = Tuesday, 2 = Wednesday, 3 = Thursday, 4 = Friday, 5 = Saturday & 6 = Sunday
	If Ordinal is 0 = Fixed (0 to 31 resembling days of the month)
	<ol style="list-style-type: none"> 1. “Ld” is displayed. Pressing the HELP Button again to step through 0, 1, 2, 3, 4, 5, and -. 2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 3. Press the CANCEL Button to move to the next Program Option.
	DLS End Month
	1 = January, 2 = February, 3 = March, 4 = April 10 = October, 11 = November, 12 = December
	<ol style="list-style-type: none"> 1. “L_” is displayed. Pressing the HELP Button again to step through 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, and 12. 2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. 3. Press the CANCEL Button to move to the next Program Option.
	Default Values – Sets all Daylight Programming Options to Default Values
	<p style="text-align: center;"><u>Warning! This will Sets all Daylight Programming Options to Default Values</u></p> <ol style="list-style-type: none"> 1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL System Programming Options have been defaulted. 2. Press the CANCEL Button to move to the next Program Option.



Note: The easiest way to program the TIMERS Programming Options is to use the SmartLink Up/Download Programmer Software (MediMinder)



System Day Announces “Your System is due for testing....”



Disabled

1. “_t” is displayed. Press the HELP Button.
2. “Sd” is displayed. Pressing the HELP Button again to step through -, 0, to 9, A, and FE
3. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
4. Press the CANCEL Button to move to the next Program Option.



System Hour - 0 to 24 Hour (Default 0 = Disabled)



System Minute - 0 to 60 Minutes (Default 0 = Disabled)



System Repeat - 0 to 10 Repeats (Default 3 = 3 Repeats)



System Interval - 0 to 255 Seconds (Default 30 = 30 Seconds)



System Away Mode (Default d = Disabled)



Test Call Day (Default 6 = Sunday, Every Week @ 1:00am)



-	Disabled	0	Monday	1	Tuesday	2	Wednesday
3	Thursday	4	Friday	5	Saturday	6	Sunday
7	Everyday	8	Sunday, Every 2 Weeks	9	Sunday, Every 3 Weeks	10	Sunday, Every 4 Weeks
11	Sunday, Every 5 Weeks	12	Sunday, Every 6 Weeks	13	Sunday, Every 7 Weeks	14	Sunday, Every 8 Weeks
15	Sunday, Every 9 Weeks	16	Sunday, Every 10 Weeks	17	Sunday, Every 11 Weeks	18	Sunday, Every 12 Weeks
19	Sunday, Every 13 Weeks	20	Sunday, Every 14 Weeks	21	Sunday, Every 15 Weeks	22	Sunday, Every 16 Weeks
23	Sunday, Every 17 Weeks	24	Sunday, Every 18 Weeks	25	Sunday, Every 19 Weeks	26	Sunday, Every 20 Weeks
27	Sunday, Every 21 Weeks	28	Sunday, Every 22 Weeks	29	Sunday, Every 23 Weeks	30	Sunday, Every 24 Weeks
31	Sunday, Every 25 Weeks	32	Sunday, Every 26 Weeks	33	Sunday, Every 27 Weeks	34	Sunday, Every 28 Weeks
35	Sunday, Every 29 Weeks	36	Sunday, Every 30 Weeks	37	Sunday, Every 31 Weeks	38	Sunday, Every 32 Weeks

1. “td” is displayed. Pressing the HELP Button again to step through 0, to 9, A, and FE
2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
3. Press the CANCEL Button to move to the next Program Option.



Test Call Hour - 0 to 24 Hour (Default 1 = 1:00 am)



Test Call Minute - 0 to 60 Minutes (Default 0 = 0 Minute)



Overdue Day - Pill Reminder (Displays “_t” & Voice Prompt)



Disabled

1. “od” is displayed. Pressing the HELP Button again to step through -, 0, to 9, A, and FE
2. To store an option selected, press the CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected.
3. Press the CANCEL Button to move to the next Program Option.



Overdue Hour - 0 to 24 Hour (Default 0 = Disabled)



Overdue Minute - 0 to 60 Minutes (Default 0 = 0 Minute)



Default Values – Sets all Timers Programming Options to Default Values

Warning! This will Sets all Timers Programming Options to Default Values

1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL System Programming Options have been defaulted.
2. Press the CANCEL Button to move to the next Program Option.

**Report Modes (Default = 0 GSM Only)**

<input type="checkbox"/>	<input type="checkbox"/> 0	GSM Only			
<input type="checkbox"/>	<input type="checkbox"/> 1	GPRS Only			
<input type="checkbox"/>	<input type="checkbox"/> 2	GPRS/GSM			

1. “rS” is displayed. Press the HELP Button to view programmed option. “0” is displayed.
2. Pressing the HELP Button again to scroll through (0, 1, & 2).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.

**Manual Test Reports - (Ademco Version Only)**

<input type="checkbox"/>	<input type="checkbox"/> d	Disabled	<input type="checkbox"/> 2	Enabled - Sends a non valid ADEMCO MANUAL TEST (NNNN / 55555555 / 7)
--------------------------	----------------------------	----------	----------------------------	--

1. “_r” is displayed. Press the HELP Button. “CS” is displayed.
2. Pressing the HELP Button again toggles between “d” Disabled, “1” ADSL and “2” Enabled.
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press CANCEL Button.

**Restores Enabled - (Ademco and Contact ID Versions)**

<input type="checkbox"/>	<input type="checkbox"/> 1	Enabled - Restores are sent to the Monitoring Centre.	<input type="checkbox"/> 0	Disabled - No Restores.
--------------------------	----------------------------	---	----------------------------	-------------------------

1. “rE” is displayed. Press the HELP Button to view programmed option. “1” is displayed.
2. Pressing the HELP Button again toggles between “1” Enabled and “0” Disabled.
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.

**Open/Close Reports - (Contact ID Version Only)**

<input type="checkbox"/>	<input type="checkbox"/> 0	Disabled	<input type="checkbox"/> 1	Enabled - Open/Close reports are sent to the Monitoring Centre.
--------------------------	----------------------------	----------	----------------------------	---

1. “OC” is displayed. Press the HELP Button to view programmed option. “0” is displayed.
2. Pressing the HELP Button again toggles between “0” Disabled and “1” Enabled.
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.

**Mains Fail Delay**

<input type="checkbox"/>	<input type="checkbox"/> 3	1 to 24 Hours delay before reporting a Mains Fail randomly within the hour.
		0 = Report Mains Fail once only at random (between 60 minutes to 180 minutes).

1. “Pd” is displayed. Press the HELP Button to view programmed option. “3” is displayed.
2. Pressing the HELP Button again to step through Time Before Next Mains Fail Report (0, 1 to 24).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.

**Mains Fail Repeat**

<input type="checkbox"/>	<input type="checkbox"/> 0	No more Mains Fail Report (Reports Once Only).
		1 to 24 Hours: Send another Mains Fail Report in the specific amount of hours.

1. “Pr” is displayed. Press the HELP Button to view programmed time. “0” is displayed.
2. Pressing the HELP Button again to step through the digits (0, 1 to 24).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.

**Low Battery Main Unit Reporting**

<input type="checkbox"/>	<input type="checkbox"/> 1	Report Low Battery ONCE	<input type="checkbox"/> 2	Report Low Battery DAILY	<input type="checkbox"/> 0	No Low Battery Reporting
--------------------------	----------------------------	-------------------------	----------------------------	--------------------------	----------------------------	--------------------------

1. “bu” is displayed. Press the HELP Button to view programmed option. “1” is displayed.
2. Pressing the HELP Button again to step through Low Battery Reporting (0, 1, or 2).
3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.

br	Low Battery Radio (Pendants & Detectors) Reporting
E	Enabled - Reports Low Battery
d	Disabled - No Low Battery Reporting.
	<ol style="list-style-type: none"> 1. “br” is displayed. Press the HELP to view programmed option. “ E” is displayed. 2. Pressing HELP Button again toggles between “ E” Disabled and “ d” Enabled. 3. To store an option selected, press CANCEL and HELP Buttons at the same time. The unit will beep twice while flashing the display to acknowledge that the option has been selected. Press the CANCEL Button.
PE	RS232 Tx Type (Default 2 = ADSL) Refer SmartLink
dF	Default Values – Sets all Report Programming Options to Default Values
	<p align="center"><u>Warning! This will Sets all Report Programming Options to Default Values</u></p> <ol style="list-style-type: none"> 1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Report Programming Options have been defaulted.

6.2.14 **_b** DOOR BELL TUNES Programming Options

P1	Door Bell 1 Note Time (Default = 50)
0	Disabled and 1 to 99 (duration of a typical note in 10msec intervals)
1	<ol style="list-style-type: none">1. “_b” is displayed. Press the HELP Button. “P1” is displayed. Press the HELP Button to view option.
99	<ol style="list-style-type: none">2. “50” is displayed. Pressing the HELP Button again to step through the digits (0, 1 to 99). Press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until all digits are programmed.3. Press the CANCEL Button to move to the next Program Option.
t1	Door Bell 1 Tune (Default = 75629026759)
-	Programmed as the first digit will delete the tune. (Note: up to 50 Digits maximum)
0	0 = Pause 1 = C4 (Middle C) 2 = D4 3 = E4 4 = F4 5 = G4 6 = A5 7 = B5
1	8 = Halves the duration of the previous tune. 9 = Doubles the duration of the previous tune.
9	[#] = The tune is scaled up by an octave. [H] = Sharp
t	<ol style="list-style-type: none">1. “t1” is displayed. Press the HELP Button to view programmed tunes. The programmed tunes will sound and flash on status display.2. Pressing the HELP Button again to step through the digits (-, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, * and H). Press the CANCEL and HELP Buttons at the same time to store each digit. The unit will beep twice and display the next digit to be programmed. Repeat this process until all digits are programmed.3. Press CANCEL Button to display the programmed tunes. The unit will flash on status display for each digit and beep twice at the end of the programmed tunes stored.4. Press the CANCEL Button to move to the next Program Option.
P2	Door Bell 2 Note Time (Default = 40)
t2	Door Bell 2 Tune (Default = 39199039199)
P3	Door Bell 3 Note Time (Default = 40)
t3	Door Bell 3 Tune (Default = 593919905939199)
Pn	Incoming Ring Note Time (Default = 0)
tn	Incoming Ring Tune (Default = 00000707)
dF	Default Values – Sets all Door Bell Tune Programming Options to Default Values.
	<p align="center"><u>Warning! This will Sets all Door Bell Tune Programming Options to Default Values</u></p> <ol style="list-style-type: none"> 1. “dF” is displayed. Press the CANCEL and HELP Buttons at the same time and the unit will beeps three times to indicate that ALL Door Bell Tune Programming Options have been defaulted.

6.2.15 **PE** EXIT PROGRAM MODE

PE	<p align="center"><u>NB: To Exit Program Mode - Client Account Number “CA” and Phone Number “n1” must be programmed/entered for the Medi-Minder Guardian to Exit Program Mode.</u></p> <p>“PE” is displayed. Press the HELP Button on the unit and the unit Annunciate “unit disarmed”</p>
-----------	---

7. Setting Time & Date

The Medi-Minder Guardian has an **inbuilt Clock and Calendar** that is backed up by the system battery and will remain even in the event of a power failure. If you require the time and date to be changed for any reason then perform the following steps using the CANCEL and HELP Button on the Medi-Minder Guardian:

Note: You can also use the SmartLink UpDownload Programmer Software to Set the Time and Date.

To Enter the Time & Date - While the Medi-Minder Guardian is in standard operation mode, Press and Hold Down the CANCEL Button for 10 seconds until "SH" is displayed.



To Set the Time - "SH" is displayed. Pressing the HELP Button until the **correct Hour** is displayed ("0" to "23"). Press the CANCEL Button to begin setting the Minutes.



To Set the Minute - "SN" is displayed. Pressing the HELP Button until the **correct Minute** is displayed ("0" to "59"). Press the CANCEL Button to begin setting the Date.



To Set the Date - "Sd" is displayed. Pressing the HELP Button until the **correct Date** is displayed ("1" to "31"). Press the CANCEL Button to begin setting the Month.



To Set the Month - "Sn" is displayed. Pressing the HELP Button until the **correct Month** is displayed ("1" to "12"). Press the CANCEL Button to begin setting the Year.



To Set the Year - "SY" is displayed. Pressing the HELP Button until the **correct Year** is displayed ("0" to "99"). Press the CANCEL Button to Exit.

8. UpDownload Software

NB: The Latest SmartLink UpDownload Programmer Software can be Downloaded from www.smartlink.com.au website. To use the Up/Download Programmer Software, the Medi-Minder Guardian can either be programmed via the External Modem or Direct DB9 Programming Lead (Part No. 450-185). For more information, refer to the SmartLink Up/Download Programmer Installation Manual.

a. **Direct Programming Lead:**
(Part No. 450-185):



b. **SmartLink UpDownload Programmer:**

8a. **Medi Guardian - ADEMCO**

8b. **Medi Guardian - CONTACT ID**

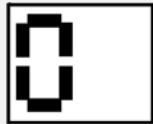


9. Cellular Signal Quality

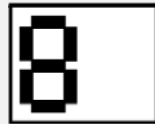
Medi-Minder Guardian 3G

To Check the Signal Quality/Strength:

While the Medi-Minder Guardian 3G unit is in Normal/Operation Mode,
Press the CANCEL Green Button and the Signal Strength Displays/Flashes for 2 Seconds.



to



The Medi-Minder Guardian 3G Displays/Flashes the Signal Quality from 0 to 8

0 to 1 = Weak Signal

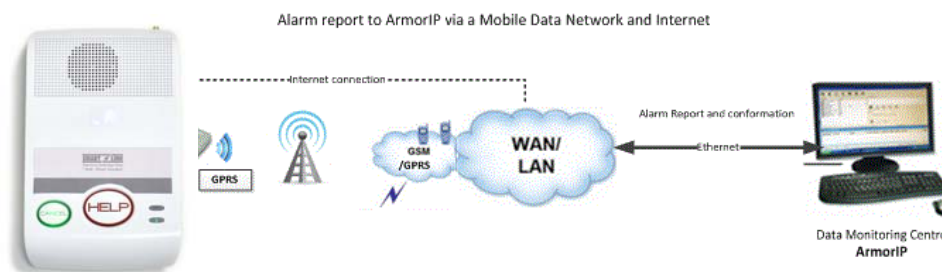
2 to 6 = Good Signal (Industry Average)

7 to 8 = Very Strong Signal

Medi-Minder Guardian 3G Updates the Signal Quality/Strength Every Minute.

10. Cellular UDP/Server

Note: Medi-Minder Guardian 3G (GPRS Reporting)



The Medi-Minder Guardian 3G has an internal GPRS/GSM Module to perform Network Reporting.

This reporting is used to transmit alarm reporting messages from a subscriber's site to a Data Monitoring Centre via a mobile data network and internet.

The alarm reporting messages has packeted into **ARMOR IP REPORTING PROTOCOL** format, and use the **UDP/IP internet protocol** to transmit the alarm reporting message to a Data Monitoring Centre by specified Host/Server IP address and Port Number.

	[ntw1]	Network Initiating
	[ntw0]	Network Opening
	[prt0]	Port Opening
	[cnct]	UDP Connection
	[rpt]	Reporting
	[rsp]	Acknowledge Response
	[ntwC]	Closes a Port on the Cellular Network
	[ntwc]	Closes Connection with the Cellular Network










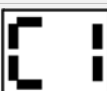











11. Normal/Operation Mode

Your Medi-Minder Guardian will normally look like this:



- The MAINS ON Light & the CANCEL (GREEN) BUTTON should be ON.

12. Displays & Warnings

 	MAINS ON Light Flashing	AC Power Fail – Check and make sure that the MAINS AC Power Plug Pack is plugged in and turned ON at the Power Point.	
	Is on the Display & BATTERY LOW Light Flashing	Check and make sure that the BATTERY SWITCH is turned ON underneath the Medi-Minder Guardian. Contact your Installer/Monitoring Centre.	
	is on the Display - The SmartLink Medi-Minder Guardian failed to send a message to your Monitoring Centre	– Check and Make sure that the telephone lead is plugged in & all telephones are working. Contact your Installer/Monitoring Centre.	
	is on the Display - The CELLULAR has failed	– Check and make sure that the Antenna/SIM Card is plugged in. Contact your Installer/Monitoring Centre. (SmartLink Medi-Minder 3 G unit will also beep for 25 seconds).	
	or		is on the Display & HELP RED Button also Flashing The HELP RED Button on the Medi-Minder Guardian has been Pressed.
	to		is on the Display & HELP RED Button also Flashing Pendants No. 1 to 8 has been Pressed.
	to		is on the Display & HELP RED Button also Flashing Pendants No. 1 to 8 has been Pressed.
	to		is on the Display & HELP RED Button also Flashing Pendants No. 1 to 8 has been Pressed.
	to		is on the Display & HELP RED Button also Flashing Pendants No. 1 to 8 has been Pressed.
	to		is on the Display & HELP RED Button also Flashing Detectors No. 1 to 8 Programmed as Fire “Fi” Option has been Activated.
	to		is on the Display Pendants No. 1 to 8 has detected a Low Battery. Contact your Monitoring Centre.
	to		is on the Display Detectors No. 1 to 8 has detected a Low Battery. Contact your Monitoring Centre.

13. Dialler Reporting Format

13.1 ADEMCO High Speed Extended Reporting

This reporting is used to transmit alarms from a subscriber's site to a Monitoring Centre via the telephone. The transmission is done using DTMF tones. 14 digits are sent to report an alarm. The format is as follows:

SSSS QQQQQQQQ Q E

SSSS 4 digit subscriber ID (Client Account Number).

Q Event qualifier (9 Channels).

Channels 1-8 indicate the status of the 8 reporting channels.

Each channel may have the following values:

- 1 - New alarm
- 3 - Restore
- 5 - Normal
- 6 - Previously reported event

Channel 9 indicates the type of event.

Channel 9 may have the following values:

- 1 - Extra Alarms
- 5 - Zone Trouble
- 6 - System Alarms
- 7 - Zone Alarm
- 9 - Test

Therefore, Channel 9 determines what channels 1-8 mean.

E Error check

Alarms sent with "CL" CALL OPTION AVAILABLE ON KEYS DISABLED. (V2.0 – V2.2 Only)

CH 9	1*	5	6	7	9
CH 1	DET1	LOW BATT P1	AC POWER	HELP P 1	none
CH 2	DET2	LOW BATT P2	LOW BATT	HELP P 2	none
CH 3	DET3	LOW BATT P3	none	HELP P 3	none
CH 4	DET4	LOW BATT P4	none	HELP P 4	none
CH 5	DET5/IN1	LOW BATT P5	none	HELP P 5	none
CH 6	DET6/IN2	LOW BATT P6	none	HELP P 6	none
CH 7	DET7/ IN3/ INACTIV	LOW BATT P7	none	HELP P 7	none
CH 8	DET8/IN4	LOW BATT P8	none	HELP P 8	none

*Note: The Medi-Minder Guardian HELP will be on the channel programmed in the System "S_" Main Menu Option and the Medi-Minder Guardian Help (Red) Button Reporting Channel "HE" option.

Alarms sent with "CL" CALL OPTION AVAILABLE ON KEYS ENABLED. (V2.0 – 2.2 Only)

CH 9	1*	5	6	7	9
CH 1	DET1/HELP P1	LOW BATT P1	AC POWER	CALL P 1	none
CH 2	DET2/HELP P2	LOW BATT P2	LOW BATT	CALL P 2	none
CH 3	DET2/HELP P3	LOW BATT P3	none	CALL P 3	none
CH 4	DET4/HELP P4	LOW BATT P4	none	CALL P 4	none
CH 5	DET5/HELP P5 / IN1	LOW BATT P5	none	CALL P 5	none
CH 6	DET6/HELP P6 / IN2	LOW BATT P6	none	CALL P 6	none
CH 7	DET7/HELP P6/IN3/INACTIV	LOW BATT P7	none	CALL P 7	none
CH 8	DET8/HELP P8 / IN4	LOW BATT P8	none	CALL P 8	none

*Note: Depending upon the program option in the System "S_" Main Menu Option and the Medi-Minder Help (Red) Button Reporting Channel "HE" the main unit HELP will double up on the same Channel of a programmed Radio Key.

13.2 CONTACT ID Reporting

This reporting is used to transmit alarms from a subscriber's site to a Monitoring Centre via the telephone. The transmission is done using DTMF tones. 14 digits are sent to report an alarm. The format is as follows:

SSSS 18 Q XYZ GG CCC E

- SSSS** 4 digit subscriber ID (Client Account Number).
18 Uniquely identifies this format as Contact ID.
Q Event qualifier:
 1 - New alarm
 3 - Restore
XYZ Event code, see table.
GG Group code (always 00).
CCC Zone or sensor number or user ID for Open/Close reports.
E Error check.

Program Option	Event Code (XYZ)	Zone Number (CCC)
Detector Alarms		
Detector Alarm Option - "Al"	130 Burglary	9 – 16
Detector Home Mode Option - "Ho"	131 Perimeter	9 – 16
Detector Fire Option - "Fi"	133 24 hour	9 - 16
Detector Silent Option - "Si"	130 Burglary	9 - 16
Tamper Alarms		
Detector Tamper	383 Tamper	9 - 16
Panic Alarms		
Medi-Minder Guardian Help Button	120 Panic Alarm	6
Hardwired Inputs 1 to 2 – "i1" to "i2"	120 Panic Alarm	21 - 22
Radio Keys Panic Option - "Pc" or "An"	120 Panic Alarm	1 - 8
Radio Keys Delay Panic Option – "dP"	100 Medical Alarm	1 - 8
Radio Keys Duress Option - "du"	121 Duress Alarm	1 - 8
Other Alarms		
Supervision Option "Su"	355	9 - 16
Inactivity Detectors Option "IA"	130	15
Dementia Keys Option "dE"	130	1 - 8
Mains/AC Fail	301 AC Loss	0
Main unit Low Battery	302 Low System Battery	0
Detectors Low Battery	384 RF Transmitter Low Battery	9 - 16
Radio Keys (Pendants) Low Battery	384 RF Transmitter Low Battery	1 - 8
Open/Close Reports	401 O/C by user	1 - 8
Auto Exclude (Reed Switch only)	380 Sensor Bypass (Trouble)	9 – 16
Test Call	602 Period test report	0

13.3 BRITISH DTMF (UNIVERSAL) Reporting

This reporting is used to transmit alarms from a subscriber's site to a Tunstall Base Station via the telephone line. The transmission is done using DTMF tones. 24 digits are sent to report an alarm. The format is as follows:

BBBB E A SSSSSSSSSSSS HHHH CC

BBBB Beginning of message tones - Always D#20

E Equipment type:
 0 Tunstall Piper Portal
 1 Tunstall Piper Premier

A Alarm Types (See Table Below)

SSSSSSSSSSSS 12 digit Subscriber ID

HHHH Hard wired alarm

EE Error check

1. The Tunstall Base Station will transmit a trigger message, DTMF digits 'DB', to signal to the Medi-Minder Guardian to start its transmission.
2. The Tunstall Base Station will transmit a kiss off message, DTMF digits 'DB', to signal to the Medi-Minder Guardian that it has received the message.
3. After the kiss off message is received the Medi-Minder Guardian will stay on line with voice Enabled, microphone on low sensitivity.
4. If the DTMF digit 'C' is received (press TALK button at the Base Station), the Base Station is in talk mode. The Medi-Minder Guardian should be set to voice Enabled, microphone on low sensitivity.
5. If the DTMF digit '*' is received (release TALK button at Base Station), the Base Station is in listen mode. The Medi-Minder Guardian should be set to enhance only if increased volume has previously been selected.
6. If the DTMF digit '1' is received (INC-VOL button), the Base Station has requested volume increase. The Medi-Minder Guardian should be set to enhance mode when the Base Station is in listen mode. Enhance mode will time out after 15 seconds.
7. If the DTMF digit '2' is received (DEC-VOL button), the Base Station has requested volume decrease. The Medi-Minder Guardian should be set to microphone/speaker when in listen mode.
8. If the DTMF digit '#' is received (CANCEL button), the Base Station has cancelled. The Medi-Minder Guardian should hang up and restore the alarm.
9. The Medi-Minder Guardian remain on line for 5 minutes with voice communications Enabled. When a valid DTMF DIGIT is received (C, *, 1 or 2) the timer will restart with 3 minutes.
10. When the call is terminated, the voice circuits are Enabled for another 3 minutes so that any incoming call within this 3 minutes time will be automatically answered as a further emergency back up.

ALARM:	CODE RECEIVED:
Medi-Minder Guardian Help Button	1
Radio Keys Help (User Keys "u1" to "u2")	2
Smoke Alarm (Detectors "d1" to "d8" programmed as Fire "Fi")	3
Mains/AC Fail	4
Radio Keys Low Battery (User Keys "u1" to "u8")	5
Medi-Minder Guardian Low Battery	6
Inactivity Alarm (Inactivity Detectors "IA" and Dementia Keys "dE")	7
Test Call Day (Default 6 = Sunday 1:00am Everyweek)	8
Intruder Detectors ("d1" to "d8" programmed as Alarm "Al")	9
Radio Keys Help "u5" to "u8" & Hardwire Inputs "i1" to "i2"	* or E

14. Specifications

Medi-Minder Guardian

- Dimensions L210 x W130 x D35 mm
- Weight 590gms (including battery)
- Quiescent Current 1mA
- **AC Plug Pack** **9VDC 300mA with integral earth (Part No. 840-050)**
- **Battery Backup** **4.8V 1600mAh Rechargeable Ni-MH (Part No. 142-031)**
- 2 Way Radio Receiver 2 Way TWR
- Range 100 to 300 metres open air (Subject to environmental conditions)

Transmitter

- Type Crystal Stabilised
- Frequency 915 MHz to 928 MHz (Australia & New Zealand)
- Power Output < 100 uW (or various international compliances)

Conforming Standards

- IS09001/2000 International Quality manufacturing Standards
- AS4607 Personal Response Systems
- AS2201.4 (C2) Intruder Alarm Systems - Wireless
- AS4268.2012 Radio Equipment & Antenna Systems - Short Range Devices

WARNING: For safety reasons, only connect equipment with a telecommunications compliance label. This includes customer equipment previously labelled permitted or certified.



“A division of NESS CORPORATION PTY LTD”

© Copyright SmartLink

July 2018

**Unit 4/56 Norcal Rd,
Nunawading VIC 3131 Australia
Tel: +61 3 9875 6400 Facsimile: +61 3 9875 6422**

[Email: smartlink@ness.com.au](mailto:smartlink@ness.com.au)

[Web Site: www.smartlink.com.au](http://www.smartlink.com.au)

To the best of our knowledge, the information contained in this manual is correct at the time of print. SmartLink “A division of NESS CORPORATION PTY LTD” reserves the right to make changes to the features and specifications at any time without prior notice in the course of product development.