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WWW. ELRO -NL.COM

USER'S MANUAL

HA68

EN

MULTI-ZONE PROFESSIONAL ALARM SYSTEM

DECLARATION OF CONFORMITY

Company	ROOS ELECTRONICS
Address, City	Broekakkerweg 15, 5126 BD
PO Box	115, 5126 ZJGILZE
Country	The Netherlands

Declares that the product:

Description	Alarm system
Product number	HA68, SA68P, SA68R, SA68M
Trade mark	ELRO

Is herewith confirmed to comply with the requirements set in the Council Directive on the Approximation of the Member States relating to:

Electro Magnetic Compatibility Directive
(89/336/EEC) R&TTE Directive
(1999/5/EEC) LVD Directive (73/23/EEC)

Assessment of compliance of the product with the requirements relating to EMC was based on the following standards:
EN 301 489-1/-3:V1.4.1 (2002-08)

The requirements relating to Electrical Safety was based on the following standards:
EN 600950-1:2001
The requirements relating RF was based on the following standard:
EN 300 220-1 :V1.3.1 (2000-09)
EN 300 220-3:V1.1.1 (2000-09)

DECLARATION DE CONFORMITE

Société	ROOS ELECTRONICS
Adresse/Ville	Broekakkerweg 15, 5126 BD of
Boite postale	115, 5126 ZJ GILZE
Pays	Pays-Bas

Déclarons que le produit :

Description	Systeme d'alarme
Référence produit	HA68, SA68P, SA68R, SA68M

Marque de commercialisation ELRO

Est certifié conforme aux exigences définies dans la Directive du Conseil d'approximation des Etats Membres suivante :

Compatibilité Electro magnétique
(89/336/EEC) Directive R&TTE
(1999/5/EEC) Directive Basse Tension (73/23/EEC)

L'évaluation de conformité du produit par rapport aux exigences de Compatibilité Electro Magnétique a été effectuée sur la base des normes suivantes :
EN 301 489-1/-3:V1.4.1

Les exigences Electriques surette ont été vérifiées par rapport a la norme suivante
EN 60950-1 :2001
Les exigences radio ont été vérifiées par rapport à la norme suivante :
EN 300 220-1 :V1.3.1 (2000-09)
EN 300 220-3: V1.1.1 (2000-09)

KONFORMITATSERKLARUNG

Firma	ROOS ELECTRONICS
Adresse	Broekakkerweg 15, 5126 BD of
Postbox	115, 5126 ZJ GILZE
Land	Niederlande

Erklärung des Produktes:

Artikelbeschreibung	Alarm system
Artikel-Nr.:	HA68, SA68P, SA68R, SA68M
Markenname:	ELRO

Hiermit bestätigen wir, um die Anforderungen aus den Richtlinien des Rates über die Annäherung der Mitgliedsstaaten zu befolgen, die Anerkennung folgender Richtlinien:

Elektromagnetische Verträglichkeit (EMC)
(89/336/EEC) R&TTE-Anforderung
(1999/5/EEC) Niederspannungsrichtlinie (LVD)
(73/23.EEC

Die Bewertung des Produktes bezüglich der Anforderung bezüglich EMC basiert auf den folgenden Standards:
EN 301 489-1/-3:V1.4.1

Die Anforderungen bezuglich Elektrisch Sicherheit basiert auf den folgenden Standards:
EN 60950-1:2001
Die Anforderungen bezüglich RF basiert auf den folgenden Standards:
EN 300 220-1 :V1.3.1 (2000-09)
EN 300 220-3:V1.1.1 (2000-09)

868MHz-Alarm system

R&TTE APPROVED CE

A	✓	IRL	✓	UK	✓	M	✓
B	✓	I	✓	BG	✓	N	✓
DK	✓	L	✓	CZ	✓	SK	✓
FIN	✓	NL	✓	EST	✓	SLO	✓
F	✓	P	✓	H	✓	CH	✓
D	✓	E	✓	IS	✓	PL	✓
GR	✓	S	✓	LV	✓	RO	✓
LT	✓						

ROOS ELECTRONICS Gilze - Holland

Roos Electronics bv, Gilze, Holland - www.elro-nl.com - www.elro-be.com
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Date: 06.09.2005

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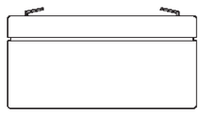
KIT CONTENTS

The Alarm System should contain the following components.
- 1 x LCD Control Panel
- 2 x Wirefee PIR Detector
- 2 x Wirefree Magnetic Contact Detector
- 1 x Remote Control

Also included:
- Power Supply Adaptor
- Telephone Connection Lead
- Installation & Operating Manual
- Fixing pack
- 2 x 6V/1.2Ahr Sealed lead acid battery
- 4 x 3.6V/950 mAhr 1/2 AA size
- 1 x 3V CR2032 Lithium

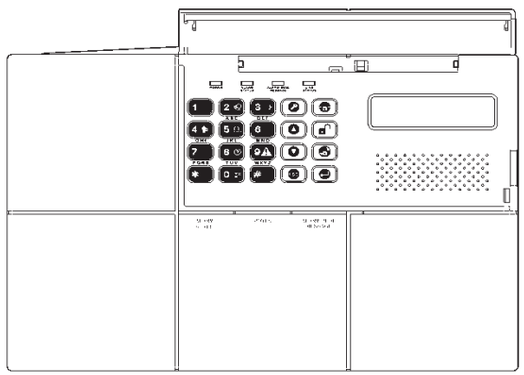


6V/1.2 Ahr
Sealed lead acid battery
(for Control Panel)

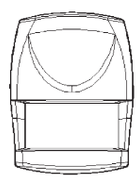
3.6v 1/2AA Size
Lithium battery (for
PIR Detector and
Magnetic Contact sets)

3V CR2032
Lithium cel (for
Remote Control)

IMPORTANT
Please check all items as mentioned above are included in the package.

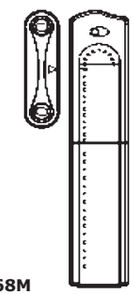


HA68 Control panel



SA68P
Wirefree PIR Detector

SA68R
Remote Control



SA68M
Wirefree Magnetic
Contact Detector

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INTRODUCTION AND OVERVIEW

MULTIPLE USERS
The system allows for up to 5 Users and a Master User to be configured. This allows the system Event Log to maintain a record of which users have armed and disarmed the system. Each user will have a different Password. In addition a 4 second voice recorder facility enables the users name to be recorded for use with the Latch-Key facility.

Only the Master User has access to the programming functions and is able to configure the system.

Note: Each Remote Control Units on the system will be recorded.

SYSTEM ARMING
The system has a full 'Arm' and two 'Partial Arm' modes. ARM will 'Arm' all zones while the 'Partial Arm' modes will only arm the zones that are enabled for the particular partial arm mode.

For example:
The system could be configured such that during night time, 'Partial Arm 1' would arm only zones protecting the lower floor and outbuildings leaving the upper floor free for movement without triggering the alarm.

During the day while the property is occupied 'Partial Arm 2' would arm only the zones protecting the outbuildings. However, when the property is left un-occupied, the full 'Arm' mode will arm all zones to protect the entire property, (i.e. upper and lower floors and outbuildings).

ZONES
The system incorporates 32 wireless Alarm Zones for the connection of the system detectors that are used to independently monitor different areas of the property. In addition to standard intruder protection, each zone may also be configured to operate in one of four other modes:

- 'Medical Help' mode provides 24 hour monitoring of any panic switches incorporated into the system.
- '24-hour Intruder' mode provides 24 hour intruder protection for areas/zones where continuous monitoring is required, (e.g. gun lockers).
- 'Fire' mode provides 24 hour monitoring of any Fire/Smoke detectors incorporated into the system.
- 'Intruder' mode allows a zone to be monitored while the system is armed. If a detector on a test zone is triggered an entry will be recorded in the Event Log and an alarm will occur.

'Panic' mode provides 24 hour monitoring of any emergency being occurred. Activation of any panic switch will immediately initiate a Full Alarm condition.

BATTERIES
Before removing the battery cover on any device to replace the battery, ensure that the system is put into Test mode to avoid initiating an Alarm.

The specifications for replacement batteries are as follows:

Note: Rechargeable batteries should NOT be fitted.

At the end of their useful life the batteries should be disposed of via a suitable Recycling Centre. Do not dispose of with your normal household waste. DO NOT BURN.

The Rechargeable batteries contain Sulphuric Acid – DO NOT ATTEMPT TO OPEN THE CASING.

In addition there is the facility to connect 4 hard wired zones to the Control Panel, each of which is fully configurable with the same features as the wirefree zones (1-32).

ENTRY/EXIT DELAY
When the system is armed with the Exit-Delay enabled, no alarm signal from any detector on an active zone will be able to initiate an alarm until the Exit-Delay has expired. This enables the system to be armed from within the property and allows time for the user to exit the property without triggering an alarm. If the Exit-Delay is disabled then detectors on active zones will immediately be able to initiate an alarm as soon as the system begins to arm.

The system Exit-Delay may be configured for between 10 to 250 seconds or disabled completely.

If a detector on a zone with its Entry-Delay enabled is triggered, then an alarm condition will not occur until the Entry-Delay period has expired. This allows time for the user to re-enter the property and disarm the system before an alarm condition occurs. Generally only the zones on the main entry route to the property will be configured with an Entry-Delay. The remaining zones would be configured with their Entry-Delay disabled allowing them to immediately initiate an alarm a detector on the zone is triggered.

The Entry-Delay for each zone may be configured for between 10 to 250 seconds or disabled completely.

QUICK SET
The system may be fully armed in 5 seconds using the quick set facility, overriding the programmed exit-delay.
This is useful for setting the system at night when the exit-delay warning beep will be silenced after just a few seconds.

ZONE LOCKOUT
If a detector on an active zone is triggered while the system is armed an alarm condition will occur. After the programmed alarm duration has expired the alarm will stop. If a single zone initiates an alarm
condition more than three times then that zone will be 'Locked Out' and any further alarm signals from that zone will be ignored until the system is disarmed.
Note: The 'Zone Lockout' feature can be disabled if required.

EVENT LOG
The Control Panel incorporates a memory capable of storing the last 50 system events. This enables the user to see which user has Armed/Disarmed the system and if and when any alarms occurred. The time, date and details of the event type will be recorded for each system event.

CHIME
Chime is a low security facility for use when the system is Standby mode. If the Chime feature is ON, and a detector on a zone that has its Chime function enabled is triggered, the internal sounder will produce a low volume warning tone. A typical use of the Chime function would be to warn that a door or particular area has been accessed.

VOICE DIALER
If the Voice Dialer is enabled and an alarm condition occurs, the system will call for help using your recorded alarm messages and up to six telephone numbers.

When an alarm condition occurs, the telephone voice dialer (if enabled) will call the first enabled number in the calling sequence and replay the recorded alarm messages for the configured 'Play Time'. The recipient must acknowledge the message by pressing the ✳ button on their telephone keypad. If the call is unanswered or an acknowledgment is not received then the next active number in the dialing sequence will be called. The dialer will continue calling each number in turn until either all numbers in the sequence have been dialed the set number of times or the sequence is cancelled/acknowledged by the recipient.

DIGITAL DIALER
As an alternative to the Voice dialer the system may be configured to interface with a central monitoring station.

LATCH KEY
When the system is disarmed the Latch-Key facility, if enabled, will call the first latchkey phone number and replay the user message (recorded under user setup) for the set 'Play Time'. The recipient must acknowledge the message by pressing the ✳ button on the telephone keypad. If the call is unanswered or an acknowledgment is not received then the second latchkey phone number will be called. The voice dialer will continue calling each number in turn until each number has been dialed the set number of times or the sequence is cancelled/acknowledged by the recipient.

For example, the latchkey facility is useful to inform parents that a child has returned from school and disarmed the system.

REMOTE SYSTEM CONTROL
It is possible to dial into the system via the connected telephone line to interrogate the system status and to have basic control over the system, (e.g. to Arm and Disarm the system). You may also activate the microphone on the control panel to Listen-In to what is happening in the protected property.

TAMPER PROTECTION
All system devices (except the Remote Control Units) incorporate Tamper protection features to protect against unauthorized attempts to interfere with the device. Any attempt to remove the battery covers from any device (except the Remote Control) or to remove the Solar Siren or Control Panel from the wall will initiate an alarm condition (unless the system is in Test or Programming modes), even if the system is Disarmed.

PIR DETECTORS
Under low battery conditions the LED behind the detector lens will flash when movement is detected to indicate that the battery needs to be replaced.

Under normal battery conditions the LED does not illuminate unless the PIR detector is in Walk Test mode.

MAGNETIC CONTACT DETECTORS
Under low battery conditions, when the Detector is activated the transmit LED will be illuminated for approximately 1s as the door/window is opened.

Under normal battery conditions the LED will not illuminate as the Detector is operated, (unless the Detector is in Test Mode with the battery cover removed).

MAINTENANCE
Your Alarm System requires very little maintenance. However, a few simple tasks will ensure its continued reliability and operation.

CONTROL PANEL
The rechargeable batteries have a typical life of 3-4 years and need no maintenance during this period, provided they are kept charged. The batteries will be damaged if they are stored in a discharged state for long periods.

DETECTORS AND REMOTE CONTROL
The Detectors require very little maintenance. The batteries should be replaced once a year or when a low battery status is indicated.

IMPORTANT: Should you, for any reason, have to completely power-down the system (e.g. to move the system to a new premises) first put the system into Test mode before removing the Control Panel cover and disconnecting the power supply and backup batteries.

Remote Controls	1 x 3V CR2032 Lithium Cells (or equivalent)
Magnetic Contact Detectors	1 x 3.6V 1/2 AA Size Lithium Cells (or equivalent)
PIR Detectors	1 x 3.6V 1/2 AA Size Lithium Cells (or equivalent)

Press * 7 to Listen-In via the Control Panel Microphone.

Press # to stop Listen-In

Note: Listen-in will be automatically cancelled after 5 minutes if not cancelled manually.

Press * 8 to interrogate the system status. A message playing the latest status can be heard.

Press * 9 to show the battery status.

Press * # to end the remote system control and hang up the Control Panel line.

BATTERY MONITORING
All system devices continuously monitor their battery condition. The Control Panel also monitors the battery condition of all PIR and Magnetic detectors. If the battery level of any device drops below acceptable levels then its low battery indication will be activated. In addition if any PIR or Magnetic Contact detector has a low battery status it will be recorded by the Control Panel and a message stored in the event log.

In the event of AC adaptor being disconnected from the Control Panel, the Control Panel by consuming the DC rechargeable battery can sustain 2 days of normal operation (under standby mode). However, the battery for that device should be replaced as soon as possible.

Note: Before removing the battery cover on any device to replace the battery ensure that the system is put into Test mode to avoid initiating a Full Alarm condition.

The low battery indication for each system component is as follows:

CONTROL PANEL
During a period of mains supply interruption the Control Panel will be powered by the rechargeable backup batteries. Under normal battery conditions the Power LED on the panel will flash at 1s intervals. Under low battery conditions, if setting to the voice dialer mode, a pre-recorded message will be played once after one hour. If setting to the digital dialer mode, a radio signal will be emitted to the central monitoring station right away and send the signal again after 4 hours.

REMOTE CONTROL
When the Remote Control is operated under low battery conditions the transmit LED will continue to flash after the button has been released.

Under normal battery conditions the LED will extinguish when the button is released.

JAMMING DETECTION
In order to detect any attempts to illegally jam the radio channel used by your alarm system, a special jamming detection function is incorporated into the Control Panel and Solar Siren. If this feature is enabled, and the radio channel is jammed continuously for 30 seconds, when the system is armed, the Solar Siren will emit a pre-alarm series of rapid bleeps for 3 seconds. If the jamming continues for a further 10 seconds or more a full alarm condition will occur. In addition if the system is jammed for more than three periods of 10 seconds in a 5 minute interval, this will also generate a Full Alarm condition.

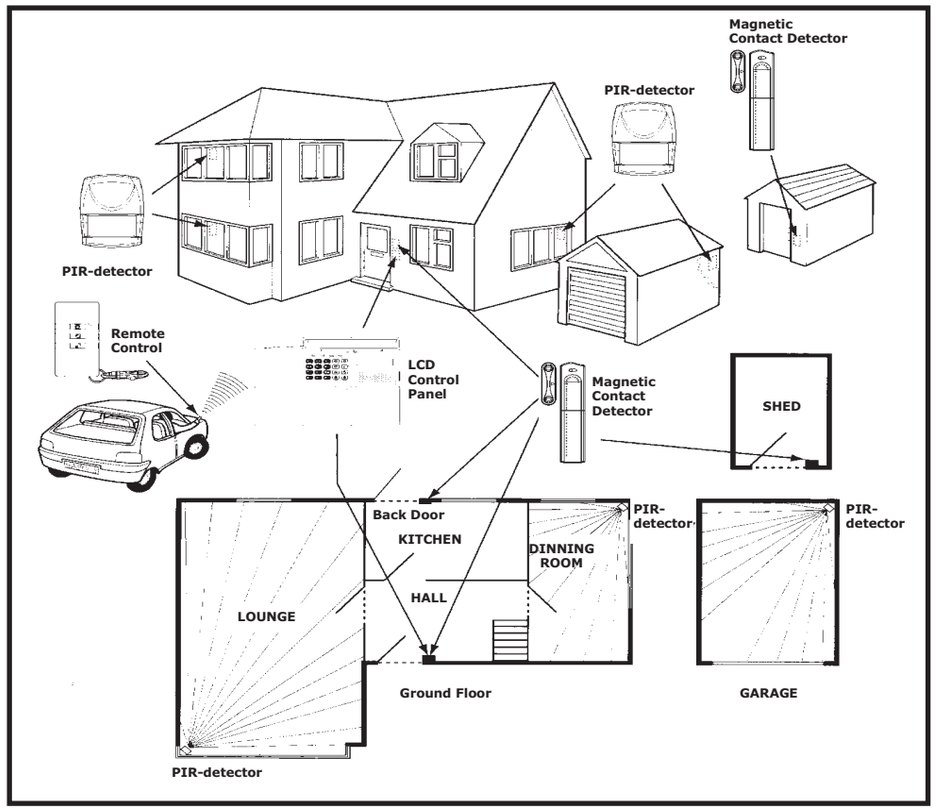
The jamming detection features in the Control Panel and Solar Siren operate independently.

The Jamming Detection circuit is designed to permanently scan for jamming signals. However, it is possible that it may detect other local radio interference operating legally or illegally on the same frequency. If it is planned to operate the jamming detection feature we recommend that the system is monitored for false jamming alarms for at least 2 weeks prior to leaving the Jamming Detection function permanently enabled.

BATTERY MONITORING
In addition to the battery monitor and low-battery indicators in each device, the Control Panel will also indicate a low battery status within any Passive Infra-Red or Magnetic Contact Detector on the system using the Event log.

PLANNING AND EXTENDING YOUR WIREFREE ALARM SYSTEM

The following example below shows a typical property incorporating the suggested positions for the Control Panel, PIR and Magnetic Detectors for optimum security. Use this as a guide for your installation in conjunction with the recommendations contained in this manual for planning your intruder alarm system.



Before attempting to install your Alarm System it is important to study your security requirements and plan your installation.

The alarm system may be extended to provide even greater protection by fitting additional PIR Detectors and Magnetic Contact Detectors as required.

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REMOTE SYSTEM CONTROL
If the Remote System Control facility is enabled, the Control Panel will answer the call after the set number of rings and emit three beeps on the phone line to prompt for a User Password to be entered using the telephone keypad.

A valid User Password will be acknowledged with one long beep. An incorrect code will be acknowledged by two short beeps.

If the User Password is not entered within 30s or is entered incorrectly three times then the Control Panel will automatically hang-up the line.

By pressing the [#] button on the telephone keypad within 30 seconds, the Control Panel will automatically hang-up the line.

Use with an External Answer-Phone:
If the Remote System Control is to be used in conjunction with an external Answer-Phone then

The number of 'one call ring' for the Control Panel must be greater than that of the External Answer-Phone, otherwise the Control Panel will always pickup the call before the Answer-Phone.

To access the Remote System Control facility the Control Panel has a 'double call dial-in' feature to enable the Control Panel to pick-up the phone call before the external Answer-Phone cuts in. The 'double call dial-in' procedure is as follows:

1. Dial up the system and hang up after two rings.
2. Redial up the system within 28s as maximum (14s as minimum), the system will pickup the phone after 1 ring.
3. Enter the User Password as normal.

The following functions may be access via the remote. The system will acknowledge each signal with a single long beep.

Press [*] [1] to initiate ARM.

Press [*] [2] to initiate Partial Arm 1.

Press [*] [3] to initiate Partial Arm 2.

Press [*] [4] to Disarm the system.

Press [*] [5] to turn the Siren OFF

.

Press [*] [6] to turn the Siren ON.

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CHIME
The Chime facility can only be operated with the system in Disarm mode.

Press 2 to toggle the Chime facility between ON and OFF.

Note: If the Chime is ON and the system is then armed the Chime will remain ON after the system is disarmed.

MUTE
The Mute facility can only be operated with the system in Disarm mode.

Press 3 to toggle the Mute facility between ON and OFF.

Note: If the Mute is ON, no voice guidance will be made during operation. If the mute is OFF, voice guidance will be active. However, if 'LINE STATUS' LED illuminates while the mute is OFF, there is no voice guidance will be available.

LATCH KEY
Press 4 to access the latch key function for quick programming.

EVENT-LOG
The Event Log will store the last 50 system Arm, disarm, alarm and detector Low Battery events. The Event Log will record the time, date and details for each event. If when the system is disarmed the "ALARM MEM' LED is flashing and the panel beeps every 10s, this indicates that an alarm has occurred. To cancel the LED and stop the beeping you must access the event log or press ESC to eliminate the flashing 'ALARM MEM' LED and the beeping as well.
To access the Event Log, (with the system in Disarm):
Press 8.

The Event-Log will automatically start scrolling through and displaying the event data starting with the most recent event. The data for each event is shown on two screens, each screen will be displayed for 5 seconds before moving on to the next screen and then the next event.

Use the ▲ and ▼ buttons to manually scroll through the event log to the required position as necessary.

Press ESC to return to Disarm.

TELEPHONE LINE DETECTION
When setting to the voice dialer and If 'LINE STATUS' LED is flashing, it implies bad telephone line connection or telephone network being out of order. Check the telephone line and re-test it.

When setting to the digital dialer and if 'LINE STATUS' LED is flashing, it implies two causes of failure. One is bad telephone line connection or telephone network being out of order. The other cause of failure is derived from the central monitoring station. Consult with the central monitoring station for help.

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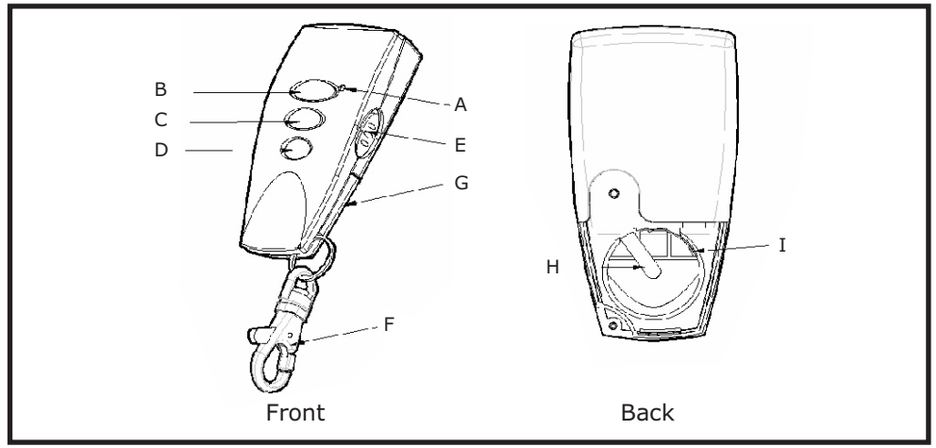
REMOTE CONTROL UNIT



A	LED indicator	F	Key Chain Ring
B	Arm	G	Battery Cover
C	Partial Arm	H	Negative Polarity
D	Disarm	I	Positive Polarity
E	Panic Switch		

The Remote Control Unit is used to Arm, Partial Arm and Disarm the system.

The Remote Control also incorporates a Panic switch. Activating the Panic switch will immediately initiate a Full Alarm condition whether the system is Armed or Disarmed, (unless the system is in Service, Test or Program mode).

The Remote Control adopts a CR2032 type Lithium cell which under normal conditions will have typical life in excess of 1 year. Under normal battery conditions the LED on the Remote control will only illuminate when a button is pressed. However, under low battery conditions this LED will flash every time the button is pressed. When this occurs the batteries should be replaced as soon as possible.

SETTING THE REMOTE CONTROL

1. Remove the rear cover by undoing the small screw on the rear of the Remote Control.

2. Insert the battery ensuring that the +v terminal faces upwards away from the PCB.

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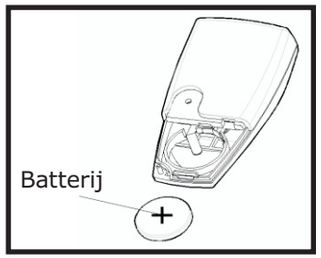

3. Replace the rear cover and fixing screw.

4. In order to communicate with the Control Panel, the ID code of the Remote Control needs to be learned by the Control Panel. By pressing the button on the Remote Control will emit the ID code to the Control Panel instantly, subject to the Control Panel being set at the User Setup mode.

CONTROL PANEL

LOCATING THE CONTROL PANEL
When choosing a suitable location for the Control Panel, the following points should be considered.

1. The Control Panel should be located in a position out of sight of potential intruders and in a safe location, but easily accessible for system operation.

2. The Control Panel should be mounted on a sound flat surface to ensure that the rear tamper switch on the Control Panel is closed when the Panel is mounted. The Control Panel should be mounted at a convenient height of between 1.5 and 2m and in a position where it will be seen each day.
   Note: If small children are in the household, a further consideration should be given to keeping the units out of their reach.

3. It is recommended that the Control Panel should be positioned such that the Exit/Entry tone (emitted by the Control Panel) can be heard from outside the property.

4. The Control Panel should be mounted within a protected area so that any intruder cannot reach the Control Panel without opening a protected door or passing through an area protected by a PIR detector when the system is armed.

5. The Control Panel must be located within reach of a mains socket.

6. If the telephone based functionality is to be used then the Control Panel will need connecting to a convenient telephone point.

Note: It is recommended that the telephone connection lead is not extended beyond 5m before connecting to a telephone master or secondary outlet.

7. Do not locate the Control Unit closer than 1m to any large metallic object, (e.g. mirrors, radiators, etc) as this may affect the radio range of the Control Panel.

Remote Control:
Press the 'DISARM' button,

Control Panel:
? ? ? ? ↵
User Password

If the system is disarmed and the 'ALARM MEM' LED is flashing with the panel beeping every few seconds, this indicates that an alarm condition has occurred. Use the Event Log to find out and make a note of where the alarm occurred to assist in tracing the cause of the alarm.

QUICK SET
To operate the quick set function and fully arm the system in 5s, overriding the programmed exit delay. Press:
0 ? ? ? ? ↵
User Password

PANIC ALARM
A full Alarm condition can be immediately initiated
at any time (whether the system is Armed or Disarmed) in the event of threat or danger by activating a Panic switch on either the Remote Control or the Control Panel.

Remote Control:
Slide the Panic switch upwards.

Control Panel:
Press and hold the 9 button for approximately 3 seconds.
The alarm will continue either for the alarm duration when the system will automatically reset or until the system is disarmed.

TAMPER
If the battery cover of any device is removed or if the Siren or Control Panel are removed from the wall then a Full Alarm condition will be initiated even if the system is Disarmed. The alarm condition will continue either for the alarm duration when the system will automatically reset or until the system is Disarmed. The 'ALARM MEM' LED on the Control Panel will flash and the panel will beep every few seconds to indicate an alarm has occurred.

Note: The Tamper protection facility on the Siren operates independently. If the Tamper on the Siren is activated this will not be indicated at the Control Panel.

ARM
The system can be set in ARM mode using either the Remote Control or the Control Panel as follows:

Remote Control:
Press the 'ARM' button,

Control Panel:
Press the Arm button followed by the User Password and then the Enter button:

? ? ? ? ↵

User Password

By pressing 0, the programmed exit delay will be overrided to 5 seconds.

PART-ARM 1
The system can be set in PARTIAL Arm 1 mode using either the Remote Control or the Control Panel as follows:

Remote Control:
Press the 'PARTIAL ARM' button, .

Control Panel:

? ? ? ? ↵

User Password

By pressing 0 , the programmed exit delay will be overrided to 5 seconds.

PARTIAL ARM 2
The system can be set in Partial Arm 2 mode using either the Remote Control or the Control Panel as follows:

Remote Control:

Press the 'PARTIAL ARM' button twice, , .

Control Panel:

? ? ? ? ↵

User Password

By pressing 0 , the programmed exit delay will be overrided to 5 seconds.

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DISARM
The system can be Disarmed using either the Remote Control or the Control Panel as follows:

MOUNTING THE CONTROL PANEL

1. Undo the two captive fixing screws on top of the panel and open the cover. The cover is hinged along the bottom edge.

2. Unclip and remove the two back-up batteries on either side of the panel.

3. Hold the Control Panel in position on the wall and mark the positions of the four fixing holes. Remove the Panel and drill four 5mm holes and fit the 25mm Wall Plugs.

   IMPORTANT: Do not drill the fixing holes with the Control Panel in position; as the resulting dust and vibration may damage the Control Panel's internal components and invalidate the guarantee.

4. Fit two 18mm No.4 screws into the top holes until almost fully home and hang the Control Panel over these screws using the two keyhole slots in the top corners of the panel casing.

5. Route the cable from the Power Supply Unit up behind and on the right hand side of the Control Panel and connect the plug to the DC power socket in the panel. Ensuring that the cable is not trapped between the panel and the wall.

6. Fix the Panel to the wall using two 18mm No. 4 screws in the lower two fixing holes in the panel and tighten the upper fixing screws until they just grip the casing. Do not over tighten the fixing screws as this could damage or distort the casing.

7. Ensure that the 'Reset' and the 'Hard-Wired Siren tamper detect' jumper links are set in the OFF position.

8. Connect battery leads to both back-up batteries and refit batteries.

Battery 1 (left):	Red lead to +ve battery terminal Blue lead to –ve battery terminal
Battery 2 (right):	Blue lead to +ve battery terminal Black lead to –ve battery terminal

   IMPORTANT: Take care when connecting battery leads to the batteries as connecting incorrectly could damage the batteries or the Control Panel.

   Note: The Power LED may flash to indicate that the unit is being operated from the back-up batteries and that mains supply is not present.

9. If fitted, remove the plastic film covering the LCD display and on the display window on the cover.

10. Close the lid of the Control Panel and tighten the captive fixing screws.

11. Plug in and switch ON the Power Supply Unit, (the Power LED should illuminate).

EN

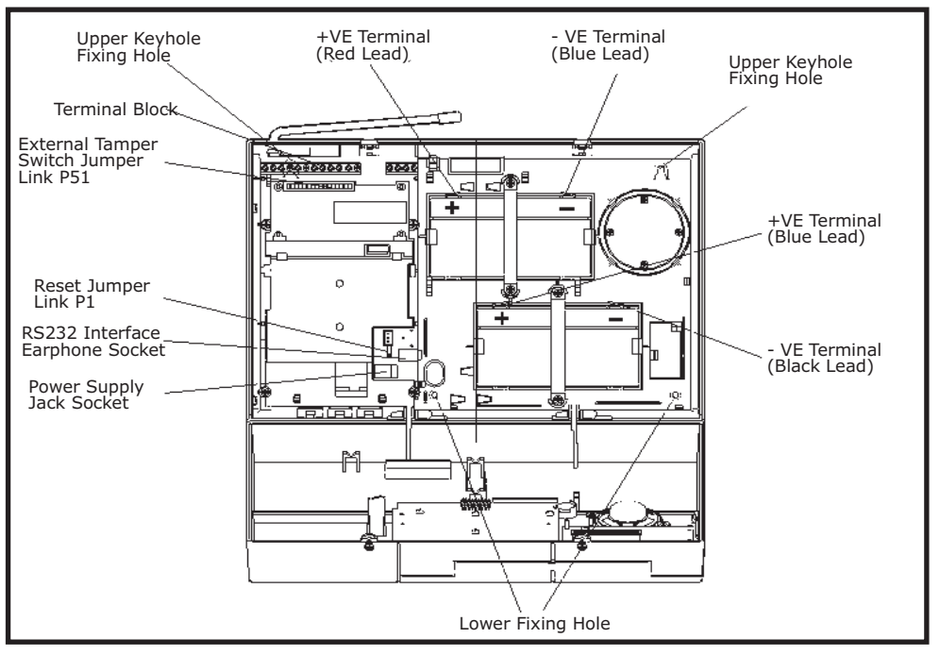
12. If required, connect the Control Panel to the telephone line using the cable supplied by inserting small RJ11 plug into socket marked LINE located on the bottom edge of the Control Panel.

    If the cable supplied is not long enough to reach a suitable phone point then it will need extending using a coupler and extension lead (not supplied).

    Note: If the Panel Tamper alarm sounds during the installation reset the alarm by pressing:

    on the Control Panel Keypad.



Inside View of Control Panel

Notes:

Press to insert a 3.6s pause in the dialing sequence.

Press to move the cursor left.

Press to move the cursor right.

Press to delete the character under the cursor.

Press and hold to erase the entire phone number.

After programming all required phone numbers press ESC to return to the top level Latch.

OPERATING INSTRUCTIONS

When leaving the premises, the system must be Armed. However, before doing so, check that all windows are closed and locked, all protected doors are closed and PIR Detectors are not obstructed. Ensure that pets are restricted to areas not protected by PIR Detectors.

The system has three arming modes, ARM, Part-Arm 1 and Part-Arm 2. The Part-Arm modes allow for selected zones to be left in a Disarmed state while the reminder of the system is Armed.

When the system is Armed (in any mode) the Control Panel will display the arming mode and the status of the Latch Key for a few seconds. If enabled, the system Exit-Delay will start and be counted down on the display. As the Exit-Delay expires the Control Panel will beep, with the beep rate increasing in steps as the delay expires. At the end of the Exit-Delay all active zones be Armed. By this time the user must have left the property and closed the door.

If while the system is armed a detector on an active zone is triggered, if enabled, the programmed Entry-delay for that zone will start and be counted down on the display. As the Entry-Delay expires the Control Panel will beep, with the beep rate increasing in steps as the delay expires. If the system has not been disarmed when the Entry-Delay expires an alarm will occur. If however, the Entry-Delay for the triggered zone has been disabled an alarm will occur immediately.

At the end of the programmed alarm duration the Siren and Control Panel alarms will stop and the system will automatically re-Arm.

STATUS
This sets the users that the Latch Key facility will operate with. If set to 'Partial' the Latch Key will only operate with those users enabled in section '**9-2 Set Partial User**'.

Default setting: All OFF

Scroll through the menu until '**9-1 Set Latch Key**' is displayed. The current setting will also be displayed.

To change the setting press .

Scroll through the available options, (All on, All-off and Partial), until the required setting is displayed.

Press to save and exit, or
Press to exit without saving.

PARTIAL USER SETUP
This allows controls over which users the Latch Key facility operates with when set to 'Partial'.

Default setting: OFF

Scroll through the menu until '**9-2 Set Partial User**' is displayed and press

Scroll through the menu until the required user number (1-5) to be configured is displayed. The current status will also be displayed.

To change the setting press .
Press to enable the Latch-Key for the user, or
Press to disable the Latch-Key for the user.

After configuring all Users as required press to return to the top level Latch Key Setup menu.

TELEPHONE NUMBERS
Scroll through the menu until '**9-3 Set Latch Key TEL Number**' is displayed and press .

Scroll through the menu until the required telephone number (1-2) is displayed. The current setting will also be displayed.

To change the number press .

Enter the new telephone number (32 digits max).

Press to save and exit, or
Press to exit without saving.

TESTING THE CONTROL PANEL & REMOTE CONTROL

1. Press , 1 2 3 4 , to put the system into Test mode.
` TEST MODE – WALK TEST' will be displayed.

2. Press to activate Walk Test. 'Walk Test Waiting…' will be displayed.

3. Press the 'ARM' button on the Remote Control. As the key is pressed the Control Panel will beep and the type of the device and button will be shown on the display.

   Press the other buttons on the Remote Control in turn, as each button is pressed the Control Panel will beep and show the button being pressed on the display.

4. Test the range of the Remote Control by pressing the 'DISARM' button on the Remote Control from in and around the property and from all locations where you plan to install detectors. Check that the Control Panel acknowledges the signal from the Remote Control each time the 'DISARM' button is pressed.

5. Press to return to the top level menu of TEST MODE.

PASSIVE INFRARED DETECTORS

PIR detectors are designed to detect movement in a protected area by detecting changes in infra-red radiation levels caused when a person moves within or across the devices field of vision. If movement is detected an alarm signal will be emitted, (if the system is armed and the alarm zone active).

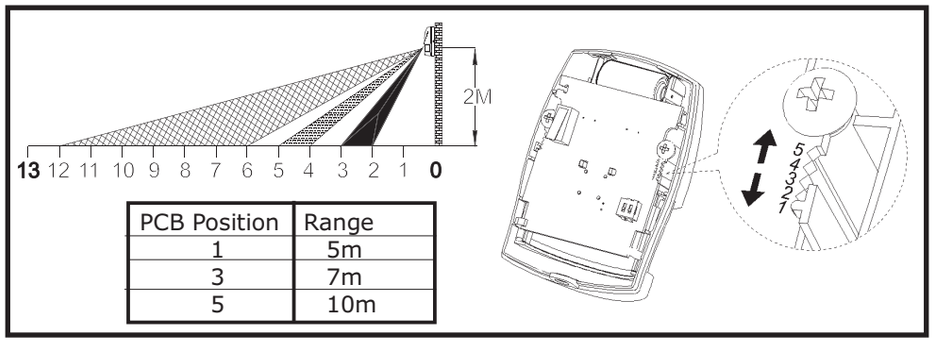
Note: PIR detectors will also detect animals, so ensure that pets are not permitted access to areas fitted with Passive Infra-Red Detectors when the system is armed.

The PIR Detector adopts a 1/2 AA size 3.6V Lithium battery which under normal conditions will have typical life in excess of 4 years. When the battery level drops, with the PIR in normal mode and the battery cover fitted, the LED behind the detection window will flash upon detecting movement. When this occurs the batteries should be replaced as soon as possible.

CHOOSING A MOUNTING LOCATION
The PIR Detector is suitable for mounting in dry interior locations only.

The recommended position for a PIR Detector is in the corner of a room mounted at a height between 1.8 and 2m. At this height, the detector will have a maximum range of up to 10m with a field of view of 110°, subject to the position for the PCB being set in 5. The position of the PCB inside the PIR can be set to 5 different positions to adjust the range of the detector. Setting the PCB in position 3 will reduce the range to 7m approximately, with position 1 providing a range of 5m approximately. The recommended position setting for the PCB is in position 5.

EN



PCB Position	Range
1	5m
3	7m
5	10m

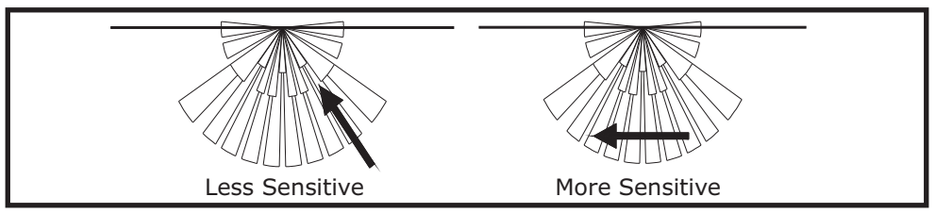
When considering and deciding upon the mounting position for the detector the following points should be considered to ensure trouble free operation:

1. Do not locate the detector facing a window or where it is exposed to or facing direct sunlight. PIR Detectors are not suitable for use in conservatories.

2. Do not locate the detector where it is exposed to ventilators.

3. Do not locate the detector directly above a heat source, (e.g. fire, radiator, boiler, etc).

4. Where possible, mount the detector in the corner of the room so that the logical path of an intruder would cut across the fan detection pattern. PIR detectors respond more effectively to movement across the device than to movement directly towards it.



Do not locate the detector in a position where it is subject to excessive vibration.

5. Ensure that the position selected for the PIR detector is within effective range of the system, (refer to System Installation and Operating Manual).

Note: When the system is armed, household pets should not be allowed into an area protected by a PIR detector as their movement would trigger the PIR and generate an alarm.

EN

TIME
Scroll through the menu until '**8-2 Time**' is displayed. The current setting will also be displayed.

To change the setting press ↵

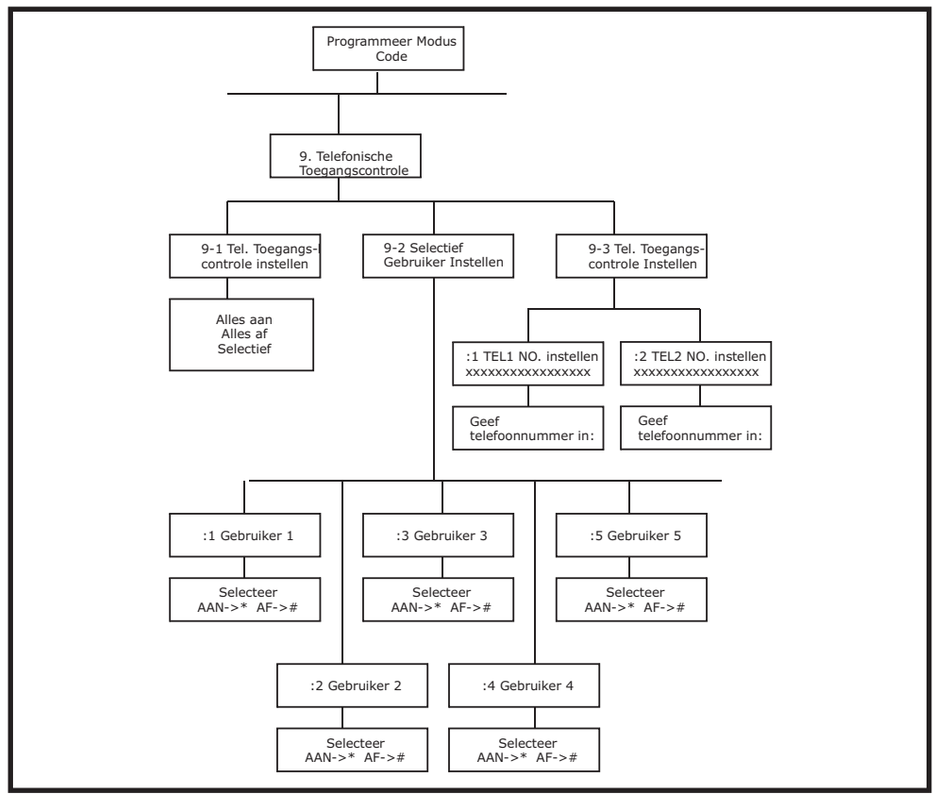
Enter the time in the format 'hh/mm/ss'.

Press ↵ to save and exit, or
Press ESC to exit without saving.

LATCH KEY SETUP

Scroll through the top level programming menu until '**9. LATCH KEY** ' is displayed and press ↵ .

Note: After completing the Latch Key Setup press ESC to return to the top level programming menu.



EN

EXIT DELAY BEEP
This controls the warning beep which operates during the Exit Delay period when Partial Arm 2 is initiated.

Default setting: ON

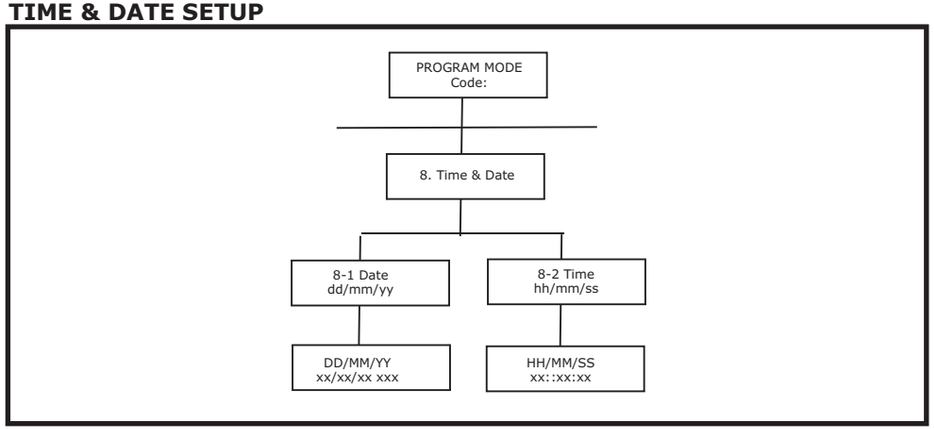
Scroll through the menu until '**7-3 Exit Delay Beep**' is displayed. The current setting will also be displayed.

To change the setting press ↵.

Press * to enable the Exit-delay beep, or
Press # to disable the Exit-delay beep.

Press ESC to return to top level Partial Arm 2 Setup menu.

TIME & DATE SETUP



Scroll through the menu until '**8 TIME & DATE SETUP**' is displayed and press ↵ .

Note: After configuring the Time and Date press ESC to return to the top level programming menu.

DATE
Scroll through the menu until '**8-1 Date**' is displayed. The current setting will also be displayed.

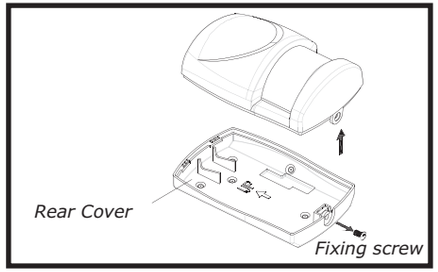
To change the setting press ↵.

Enter the date in the format 'dd/mm/yy'.

Press ↵ to save and exit, or
Press ESC to exit without saving.

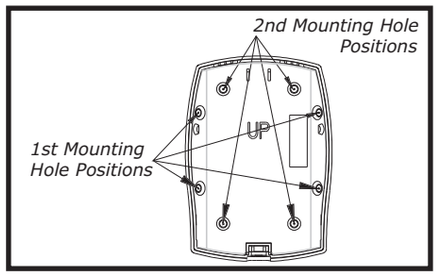
INSTALLING THE PIR DETECTORS
Ensure that the system is in Test Mode.

1. Undo and remove the fixing screw from the bottom edge of the PIR. Carefully pull the bottom edge of the detector away from the rear cover and then slide down to release the top clips.



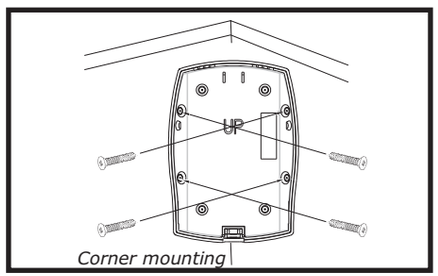
2. Carefully drill out the required mounting holes in the rear cover using 3mm drill according to whether the unit is being mounted in a corner or against a flat wall.

   Note: Using 1st mounting hole to fulfill corner mounting installation, while 2nd mounting hole for flat wall installation.



3. Using the rear cover as a template, mark the positions of the fixing holes on the wall.

4. Fix the rear cover to the wall using the two 18mm No.4 screws and 25mm wall plugs, (a 5mm hole will be required for the wall plugs). Do not over-tighten the fixing screws as this may distort or damage the cover.



5. Configure the PIR detector as described below. Remember that on initial installation that the device needs to be tested and should therefore be set in Walk Test Mode.

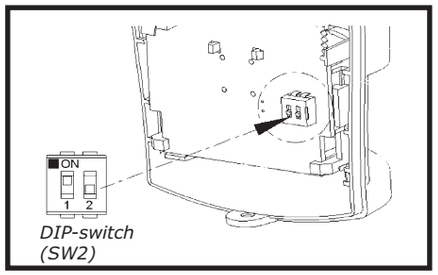
6. Check that the detector PCB is located and set in the correct position to provide the required detection range. To adjust the PCB position, simply slide it up or down ensuring that the location legs are aligned with the required position number marked on the board.

7. To refit the PIR detector to the rear cover and locate the clips in the top edge into the rear cover. Push the lower edge of the detector into place and refit the fixing screw in the bottom edge of the PIR to secure in position. Do not over-tighten the fixing screws as this may damage the casing.

EN
EN

SETTING THE PIR DETECTORS
Located on the PCB of the PIR Detector is a two-position DIP switch (SW2). When conducting the Walk Test, ensure that the DIP switch SW2 is set as follows:

SW2	DIP1	DIP2
ON	✓	
OFF		✓



DIP-switch (SW2)

1. DIP1 of SW2 is used to configure the PIR Detector for walk test mode, which allows the operation of the detector to be checked during installation without triggering a Full Alarm.
   ON Walk Test mode
   OFF Normal mode

   Note: On initial installation the detector should be set into Walk Test mode ready for testing. Upon completion of Walk Test mode, set DIP1 of SW2 to OFF for normal detection mode.

2. The PIR Detector incorporates an anti-false alarm feature designed to compensate for situations where the detector may be affected by environmental changes, (e.g. insects, air temperature, etc). This feature is called "sensitivity detection" and may be selected for high or low detection.

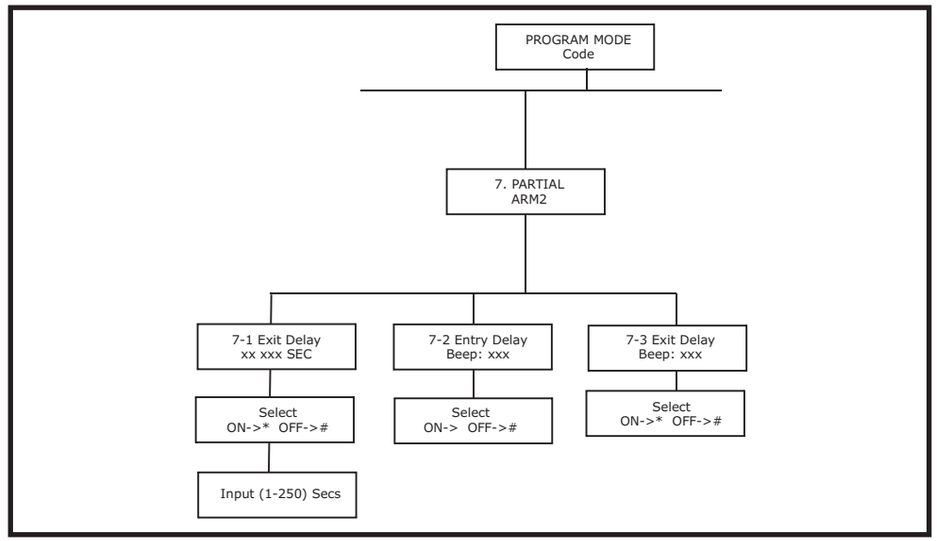
   The recommended setting is for high sensitivity detection. However, in cases of extreme environmental problems or if unattributable false alarms are experienced, it may be necessary to select low sensitivity detection.

   Set the required sensitivity detection using DIP2 of SW2 as follows:

   ON high sensitivity detection
   OFF low sensitivity detection

   Note: The higher the sensitivity detection the less movement will be necessary before the PIR detector will trigger the alarm.

EN



EXIT DELAY
Scroll through the menu until '**7-1 Exit Delay**' is displayed. The current setting will also be displayed.

Default setting: ON, 30s
To change the setting press ↵.

Press * to enable the Exit delay and enter the required exit delay period (1-250s), or
Press # to disable the Exit delay.

Press ↵ to save and exit, or
Press ESC to exit without saving.

ENTRY DELAY BEEP
This controls the warning beep which operates during the Entry Delay period when Partial Arm 2 is active.

Default setting: ON

Scroll through the menu until '**:7-2 Entry Delay Beep**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Entry-delay beep, or
Press # to disable the Entry-delay beep.

EN

EXIT DELAY
Scroll through the menu until '**6-1 Exit Delay**' is displayed. The current setting will also be displayed.

Default setting: ON

To change the setting press ↵ .

Press * to enable the Exit delay and enter the required exit delay period (1-250s), or
Press # to disable the Exit delay.

Press ESC to return to top level Partial Arm 1 Setup menu.

ENTRY DELAY BEEP
This controls the warning beep which operates during the Entry Delay period when Partial Arm 1 is active.

Default setting: ON

Scroll through the menu until '**6-2 Entry Delay Beep**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Entry-delay beep, or
Press # to disable the Entry-delay beep.

EXIT DELAY BEEP
This controls the warning beep which operates during the Exit Delay period when Partial Arm 1 is initiated.

Default setting: ON

Scroll through the menu until '**6-3 Exit Delay Beep**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Exit-delay beep, or
Press # to disable the Exit-delay beep.

PARTIAL ARM 2 SETUP
Scroll through the programming menu until '**7. PARTIAL ARM 2**' is displayed and press ↵ .

Note: After configuring Partial Arm 2 press ESC to return to the top level programming menu.

EN

3. The setting of the DIP1 & DIP2 of SW2 can be distinguished from the LED indication as follows:

On/Off Selection	DIP1 of SW2	DIP2 of SW2	Trigger reaction of LED
ON	Walk Test mode	High Sensitivity	LED will be on once. It implies high sensitivity.
		Low Sensitivity	LED will flash twice. It implies low sensitivity.
OFF	Normal mode	High/Low Sensitivity	LED does not light up.

In summary, the setting of DIP1 & DIP2 of SW2 is concluded as below:

SW2	DIP1	DIP2
ON	Walk Test Mode	High sensitivity
OFF	Normal Mode	Low sensitivity

4. Connect the 1/2 3.6V Lithium battery to the battery spring.

   Note: When the battery is connected, the LED behind the lens will flash for 2-3 minutes as warming-up duration until the PIR has stabilized when the LED will then stop flashing and turn OFF.

5. In normal mode, remove the rear cover of the PIR detector. The Detector's LED will illuminate and the Control Panel should beep. It is because the tamper switch fitted on the Detector has been activated.

6. When the Detector is fully installed i.e. battery cover is refitted; the Detector will not detect movement for approximately 2 minutes after each activation. (This feature is present to conserve battery power and maximize the battery life).

7. In order to communicate with the Control Panel, the ID code of the Detector needs to be learned by the Control Panel. By pressing the tamper switch located adjacent to the PCB on the Detector will emit the ID code to the Control Panel instantly, subject to the Control Panel being set at the Zone setup mode.

TESTING THE PIR DETECTORS
Ensure that the system is in Test Mode.

With the PIR detector set in Test mode and mounted in position on the wall, allow 2-3 minutes for the detector to stabilize before commencing the Walk Test.

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1. Use the ▲ and ▼ buttons to scroll through the menu until '**WALK TEST**' is displayed.

   Press ↵ to activate Walk Test. '**Walk Test Waiting...**' will be displayed.

2. Walk into and move slowly around the protected area, each time the detector senses movement the LED behind the lens will flash. In addition, the Control Panel will beep to indicate that the alarm signal has been received and the identity of the zone that the detector is configured for will be displayed.

   If necessary adjust the detection range by changing the mounting position of the PCB within the PIR housing.

   Note: In normal operation, the LED behind the PIR lens will not flash on movement detection, (unless the battery is low).

   If necessary re-adjust the detection pattern by changing the mounting position of the PCB within the PIR housing.

3. Remove the back cover of the PIR detector. The Control Panel should beep and display 'PIR Detector Tamper' to show that the detector's tamper switch has been activated.

4. Press ESC to return to the top level menu of TEST MODE.

5. Reconfigure the PIR Detector for normal mode by setting DIP1 of SW2 to OFF and refit in position.

   Note: When the detector is fully installed i.e. battery cover is refitted; the unit will not detect movement for approximately 2 minutes after each activation. (This feature is present to conserve battery power and maximize the battery life).

MAGNETIC CONTACT DETECTOR(S)

The Magnetic contact consists of two parts; a Detector and a Magnet. They are designed to be fitted to doors or windows with the Magnet mounted on the opening part and the Detector mounted on the fixed frame. Opening the protected door/window will remove the magnetic field, trigger the Detector and generate an alarm condition, (if the system is armed and the alarm zone active).

The Detector is powered by one 3.6V 1/2 AA size Lithium cells which under normal conditions will have typical life in excess of 5 years. Under normal battery conditions with battery cover fitted the LED on the Detector will not illuminate when the Detector is triggered, (unless in test mode). However, under low battery conditions this LED will be illuminated when the detector is triggered. When this occurs the battery should be replaced as soon as possible.

Default setting: ON

Scroll through the menu until '**5-2 Entry Delay Beep**' is displayed.
The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Entry-delay beep, or
Press # to disable the Entry-delay beep.

EXIT DELAY BEEP
This controls the warning beep which operates during the Exit Delay period when Full Arm is initiated.

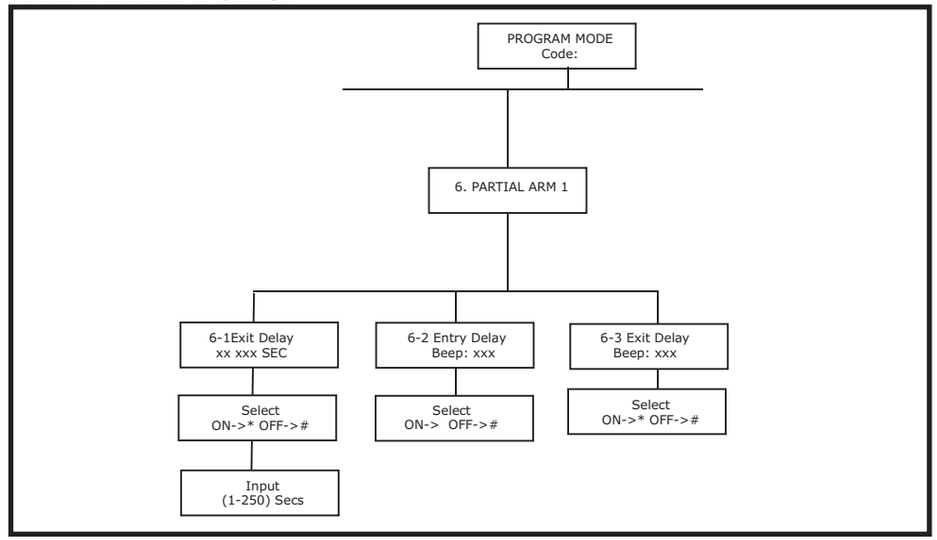
Default setting: ON

Scroll through the menu until '**5-3 Exit Delay Beep**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Exit-delay beep, or
Press # to disable the Exit-delay beep.

PARTIAL ARM 1 SETUP



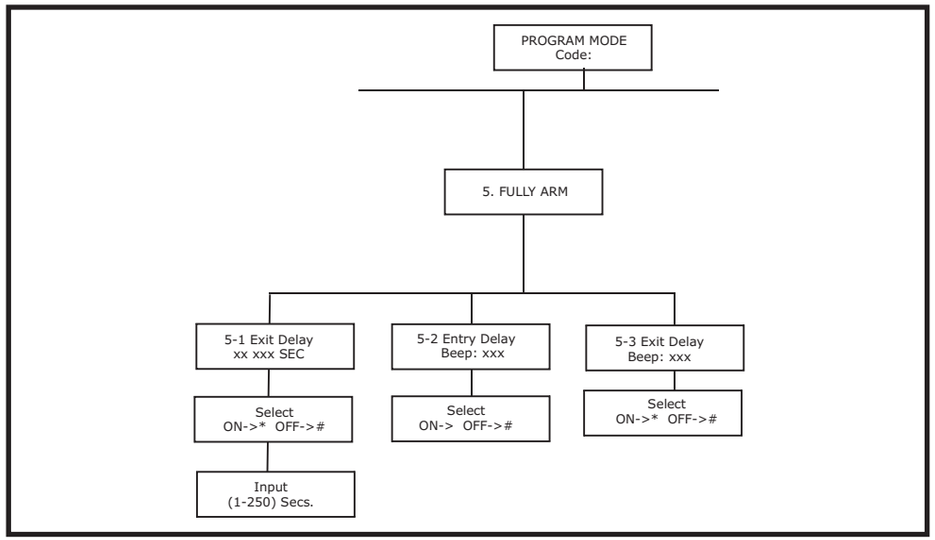
Scroll through the programming menu until '**6. PARTIAL ARM 1**' is displayed and press ↵ .

Note: After configuring Partial Arm 1 press ESC to return to the top level programming menu.

EN

EN

FULLY ARM SETUP



Scroll through the programming menu until '**5. FULLY ARM**' is displayed and press ↵.

Note: After configuring fully arm press ESC to return to the top level programming menu.

EXIT DELAY
Default setting: ON 30s
Scroll through the menu until '**5-1 Exit Delay**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Exit delay and enter the required exit delay period (1-250s), or

Press # to disable the Exit delay.

Press ↵ to save and exit, or
Press ESC to exit without saving.

Press ESC to return to top level fully arm setup menu.

ENTRY DELAY BEEP
This controls the warning beep which operates during the Entry Delay period when Full Arm is active.

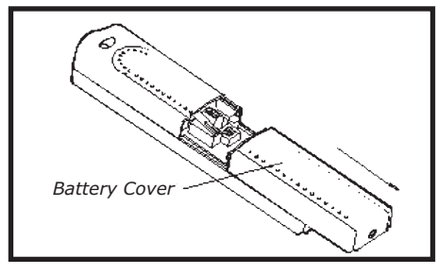
For double security, there are two tamper switches fitted on the Detector. (FIGURE 2) Either removing the Detector from the protected door/window or removing the battery cover will generate a full alarm condition.
The Magnetic Contact Detector is of self-contained wired Magnetic Contact. This contact must be of a normally closed contact type with the contacts being opened in order to generate an alarm condition.

CHOOSING A MOUNTING LOCATION
The Magnetic Contact Detector is suitable for mounting in dry interior locations only.

Decide which doors/windows are to be protected by Magnetic Contact Detectors, (usually the front and back doors as a minimum will have Magnetic Contact Detectors fitted). Additional detectors may also be fitted where required to other vulnerable doors or windows, (e.g. garage, patio/conservatory doors etc).

Note: Take care when fixing the Detector to a metal frame, or mounting within 1m of metalwork (i.e. radiators, water pipes, etc) as this could affect the radio range of the device. If required, it may be necessary to space the magnet and detector away from the metal surface using a plastic or wooden spacer to achieve the necessary radio range.

INSTALLING THE MAGNETIC CONTACT DETECTORS
Ensure that the system is in Test Mode.



1. Undo and remove the fixing screw from the bottom edge of the Detector. Remove the battery cover by sliding and lifting it off. (DO NOT use a screw driver to lever the cover off).

2. Fit the 3.6V Lithium battery supplied, with the negative (-) towards the battery spring.

3. Mount the Detector to the fixed part of the frame along the opening edge opposite the hinges using either the double sided adhesive tape or screws provided.

   If fixing the Detector with screws; fit the Keyhole slot in the top of the Detector over the head of the smaller pan-head screw. Secure the bottom of the Detector using the 12mm countersunk head screw fitted within the battery compartment. You will need to drill out the centre of the fixing screw hole using a 3mm drill. Do not over tighten the fixing screws as this may distort or damage the casing.

4. Fit the Magnet to the moving part of the door/window opposite the Detector using the adhesive tape or 15mm fixing screws.

   Ensure that the parallel gap between the Magnet and Detector is less than 10mm and that the arrow on the Magnet is pointing towards and aligned with the mark on the Detector.

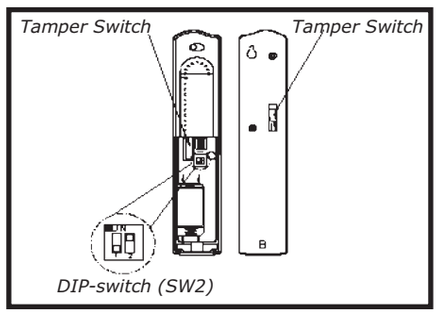
5. If several windows need to be protected, remove the self-contained wired supplied and adopt the wire according to the specifications as mentioned below. This should be wired to the terminal block provided in the battery compartment in series connection.
   The wired contact should be connected using two core (24AWG) wire of maximum length 1.5m.

   A cable entry cut-out is available and adjacent to the terminal block.

6. Refit the battery cover.

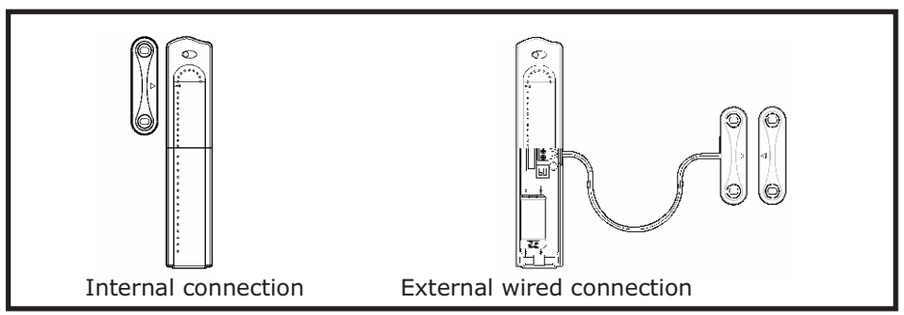
SETTING THE MAGNETIC CONTACT DETECTORS

1. Located on the PCB of the Detector is a two-position DIP switch (SW2).



2. DIP switches 1-2 are used to enable/disable the internal or external wired magnetic contact. (FIGURE 3)

On/Off Selection	DIP1 of SW2	DIP 2 of SW2
ON	Internal on	External on
OFF	Internal off	External off



Default setting: 6

Scroll through the menu until '**:3 One Call Ring**' is displayed and press .

To change the setting press .

Enter the required number of ring (2-9).

Press to save and exit, or
Press ESC to exit without saving.

INTERVAL OF RING FOR DOUBLE CALL
The interval of ring in each country vary greatly. Always add extra 2s to your countries' interval of ring.

Default setting: 13s

Scroll through the menu until '**:4 Double Call Time**' is displayed and press
The current setting will also be displayed.

To change the setting press
Enter the required interval of ring (5s-15s).

Note: The duration of dialing the second call will vary depending on the interval of ring you enter.
Enter 5s, it becomes 6-20s.
Enter 13s, it becomes 14-28s.
Enter 15s, it becomes 16-30s.

DIAL METHOD
This feature enables the telephone dialer to be configured for type of exchange it is connected to.

Default setting: Tone/DTMF

Scroll through the menu until '**4-4 Dial Method Setup**' is displayed. The current setting will also be displayed.

To change the setting press .

Scroll through available options, (Tone/DTMF and Pulse), until the required setting is displayed and then

Press to save and exit, or
Press ESC to exit without saving.

REMOTE TELEPHONE CONTROL

Scroll through the manual until '**:1 Remote TEL Control**' is displayed and press .

Default setting: OFF

To change the setting press .

Press * to enable the Remote Telephone control, or
Press # to disable the Remote Telephone control.

NUMBER OF DIALING CALL
This facility controls the number of dialing call via the connected telephone line.

Default setting: one call

Scroll through the manual until '**:2 Remote Type**' is displayed and press .

To change the setting press .

Scroll through available options (e.g. one call & double call) until the required setting is displayed.

ONE CALL
The number of ring for the Control Panel must be greater than that of the set number of rings. By doing so, the Control Panel will answer the call and emit three beeps on the phone line to prompt for a User Password to be entered using the telephone keypad.

DOUBLE CALL
This feature is suitable for use when the fax or answer phone is connected to Control Panel externally. The procedure is as follows:

1. Dial up the system and hang up after two rings.
2. Redial up the system within 28s as maximum (14s as minimum), subject to the interval of ring being entered at 13s, the system will pickup the phone after 1 ring.
   Note: The maximum and minimum period for redialing up the system will vary depending on the interval of ring you entered. Refer to '**INTERVAL OF RING FOR DOUBLE CALL**' for better comprehension.
3. Enter the User Password as normal.

NUMBER OF RINGS FOR ONE CALL
The number of rings for one call must be set within 2-9

If setting the DIP1 & DIP2 to 'Off', only the internal contact will be active. When two contacts are in use for internal and external connection simultaneously, one activation will be counted if one of the contacts is opened; while both contacts must be all close, the Detector will then be treated as close.

3. If external contacts are wired to the Detector, set the DIP1 to 'Off' and DIP2 to 'On'.

   IMPORTANT: If external contacts are not connected, set the DIP1 to 'On' and DIP2 to 'Off' for the detector to operate correctly.

4. In order to communicate with the Control Panel, the ID code of the Detector needs to be learned by the Control Panel. By pressing the tamper switch either located adjacent to the PCB or rear cover of the Detector will emit the ID code to the Control Panel instantly, subject to the Control Panel being set at the Zone setup mode.

TESTING THE MAGNETIC CONTACT DETECTORS
Ensure that the system is in Test Mode

1. Use the and buttons to scroll through the menu until '**WALK TEST**' is displayed.

   Press to activate Walk Test. '**Walk Test Waiting...**' will be displayed.

2. Remove the battery cover by sliding off.

   As the battery cover is removed the LED on the Detector will illuminate for approx. 1 second to indicate that the tamper switch has been activated. In addition, the Control Panel will beep to indicate that an alarm signal has been received and 'Magnetic Contact Tamper' will be displayed.

3. Open the door/window to detach the magnet from the Detector. As the magnet is parted from the detector the LED will illuminate for approx. 1 second to indicate that the Detector has been triggered. In addition, the Control panel will beep to indicate that an alarm signal has been received and the identity of the zone that the detector is set for will be displayed.

   Note: In normal mode with the battery cover fitted, the LED on the detector will not illuminate when the detector is triggered, (unless the battery is low).

4. If connected, operate the wired Magnetic Contact. As the contact is opened the LED on the Detector should illuminate for 1 second to indicate that it has been triggered and the Control Panel will acknowledge the alarm signal.

5. Refit the battery cover on the Detector.

6. Press ESC to return to the top level menu of TEST MODE.

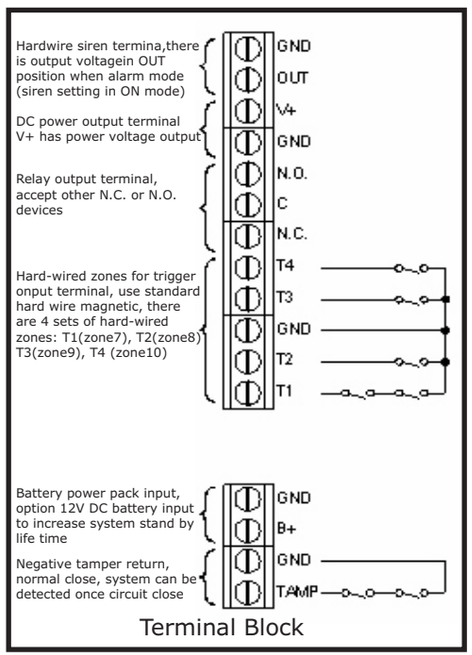
EXTERNAL CONNECTIONS

The Control Unit incorporates a terminal block for connection of hard-wired Zones (33-36), Siren or Telephone Dialer unit. The connection terminal block is located inside the Control Panel behind the front cover.

To access the terminal block Press

this puts the system into Test Mode and prevents an alarm occurring. Undo the two fixing screws on the top edge of the Control Panel and open the front cover.

Before making any connections, ensure that the memory jumper link P1 is in the 'OFF' position and then remove the DC power jack and disconnect one of the back-up batteries.



Terminal Block

Hardwired zone and tamper switches should be Volt free and Normally Closed, with the contacts opening in order to initiate an alarm.

Note: Jumper link P51 should be fitted into the ON position only if the external hardwired tamper circuit is used, otherwise it must be in the OFF position.

After making your external connections reconnect the power supply and Back-up Battery. Then close the Control Panel cover and tighten the fixing screws on the top edge of the Control Panel.

EN

CALL ATTEMPTS
This sets the maximum number of times that the dialer will attempt to contact the central monitoring station.

If the dialer contacts to the central monitoring station once successfully, it will stop dialing.

Default setting: 3

Scroll through the menu until '**:3 Call Attempts**' is displayed. The current setting will also be displayed.

To change the setting press .

Enter the required number (1-5).

Press to save and exit, or
Press ESC to exit without saving.

ARM/DISARM BY USER
This determines when user makes a selection for disarming (Open) or arming (Close) the system, an event code 401 is needed to be sent to the central monitoring station. When setting to 'On', an event code 401 will be emitted, setting to 'Off', an event code 401 won't be emitted.

Default setting: Off

Scroll through the menu until '**:4 ARM/DISARM By User**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to commence sending the event code.
Press # to commence not sending the event code.

REMOTE SYSTEM CONTROL SETUP

Scroll through the manual until '**4-3 Remote TEL Control Setup**' is displayed and press .

Note: After completing the Remote Tel Control Setup, press ESC to return to the top level programming menu.

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DIGITAL DIALER SETUP

Scroll through the menu until '**4-2 Digital Dial Setup**' is displayed and press

Note: After completing the Digital Dialer Setup press to return to the top level programming menu.

PHONE NUMBER
Scroll through the menu until '**:1 Phone No:**' is displayed. The current setting will also be display.

To change the setting press .

Enter the phone number (32 digits max. ranging from 0~9, *, #,).

Press to save and exit, or
Press to exit without saving.

Notes:
Press to insert a 3.6s pause in the dialing sequence.

Press to move the cursor left.

Press to move the cursor right.

Press to delete the character under the cursor.

Press and hold to erase the entire phone number.

UNIT ID NUMBER
This helps central monitoring station set an ID number for the user whose system is connected to their center.

Scroll through the menu until '**:2 Unit ID No:**' is displayed. The current setting will also be displayed.

To change the setting press .

Enter the ID number (4 digits max. ranging from 0-9, B, C, D, E, F)

Press to save and exit, or
Press to exit without saving.

EN

TESTING THE SYSTEM

INITIAL TESTING
As the system is initially installed it is recommended that each device is tested in turn as it is installed, (refer to testing instructions for particular device).

TESTING AN INSTALLED SYSTEM
The Control Panel has a programmed test routine. You may test the system at any time, however it is recommended that the system is tested at regular intervals not exceeding 3 months.

With the system in Disarm Mode

Press ? ? ? ? This puts the system into Test Mode.
User Password

Use the and buttons to scroll through the menu and press to select the displayed test function or sub-menu.

Note: After completing all required test functions, press to leave Test mode and return to Disarm mode.

WALK TEST
Before commencing testing, please ensure that there is no movement in any PIR protected area, all doors/windows protected by Magnetic Contact Detectors are closed and that all battery covers and housings are correctly fitted.

Scroll through the top level Test Mode menu until '**WALK TEST**' is displayed and press . '**Walk Test Waiting...**' will be displayed.

1. Trigger each detector on the system by either walking into a PIR protected area or by opening a door/window protected by a Magnetic Contact detector. As each detector is triggered the Control Panel will chime to indicate that an alarm signal has been received and the identity of the zone that the detector is configured for will be displayed.

2. Operate detector anti-tamper switches by opening the case of the device. As the switches are operated the Control Panel will chime and zone name will be displayed.

3. Activate each button on the Remote Control in turn. As each button is pressed the Control Panel will chime and the button name will be displayed. (e.g. 'REMOTE CONTROL DISARM').

Press to exit Walk Test and return to the top level Test Mode menu

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ALARM TEST

Scroll through the top level Test Mode menu until 'ALARM TEST' is displayed and press ↵.

Scroll though the menu until the required alarm displayed and press ↵ to operate the selected alarm for 5s.

Select '**Wirefree Siren Test**' to operate the External Solar Siren.

Select '**Hardwired Siren Test**' to operate the Control Panel Siren and external hardwired Siren (if connected).

Select '**Relay Test**' to operate the External hardwired (N.O./N.C.) relay contacts.

Press ESC to exit Alarm Test and return to the top level Test Mode menu.

WIREFREE SIREN SERVICE ON/OFF
Scroll through the top level Test Mode menu until '**Wirefree Siren Service ON/OFF**' is displayed and press ↵.

This offers the flexibility of removing or changing siren's battery. Wait for 10 seconds until ON/OFF duration has elapsed, then go ahead with fixing the siren as desired.

VOICE DIALER TEST
Scroll through the top level Test Mode menu until '**VOICE DIALER TEST**' is displayed and press ↵.

In order to test the voice dialer properly, the prerequisite is to set the telephone number, record the message and enable the alarm dial in the programming mode.

When testing is in progress, simply press ESC to stop testing.

DIGITAL DIALER TEST
Scroll through the top level Test Mode menu until '**DIGITAL DIALER TEST**' is displayed and press ↵.

In order to test the digital dialer properly, the prerequisite is to set the telephone number and unit ID number in the programming mode.

When testing is in progress, simply press ESC to stop testing.

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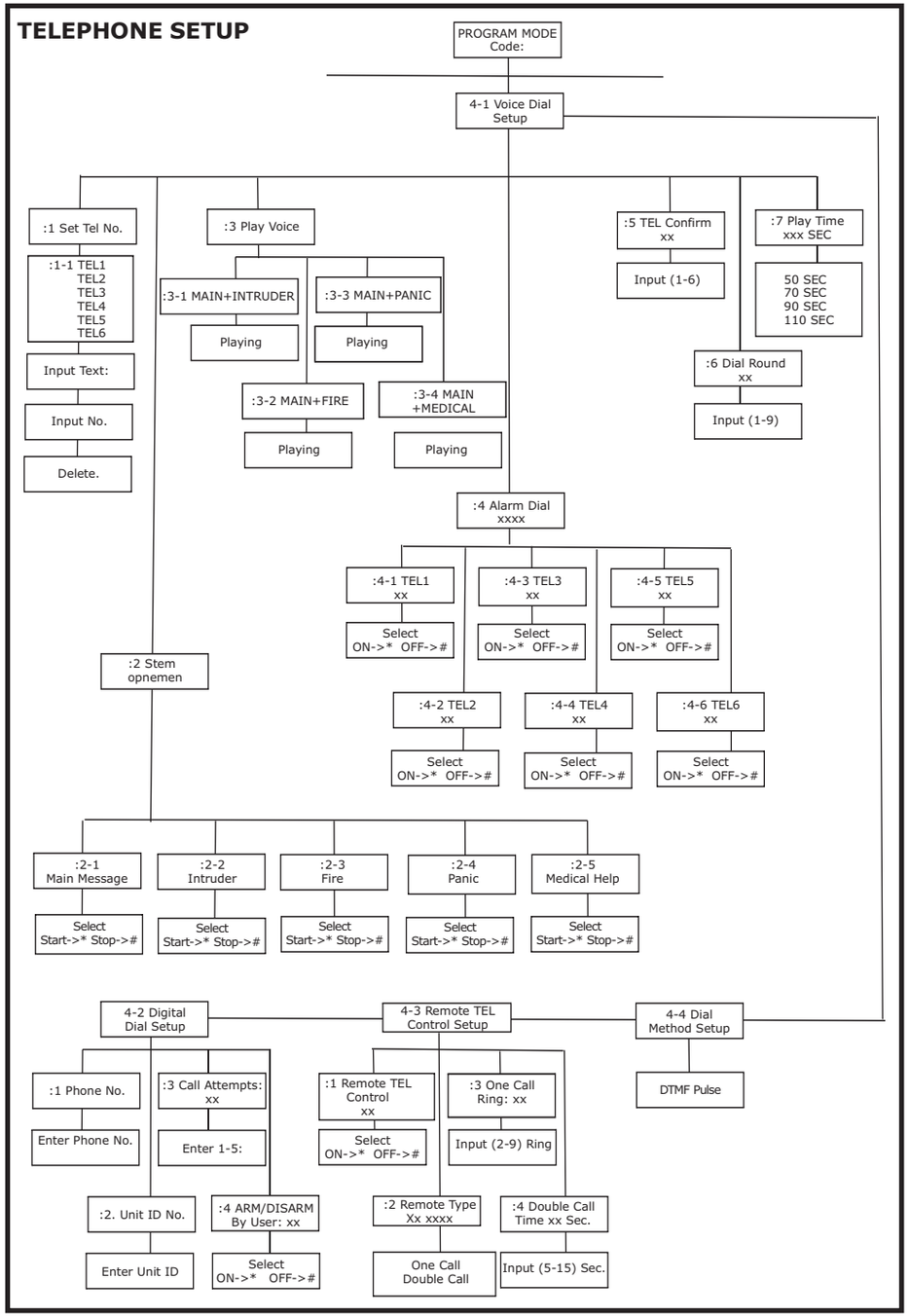
RF ENVIRONMENT TEST
Scroll through the top level Test Mode menu until '**RF Environment**' is displayed.
If the ambient environment is full of radio frequency, an indication of '**ENVIRON POOR** ' will be shown on the LCD screen.

TELEPHONE SETUP



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Default setting: 1

Scroll through the menu until '**:5 TEL Confirm**' is displayed. The current settings will also be displayed.

To change the setting press  .

Enter the required number (1-6).

Press  to save and exit, or
Press  to exit without saving.

DIAL ROUND
This sets the maximum number of times that the dialer will attempt to contact each enabled telephone number in the call routing sequence.

Default setting: 3

Scroll through the menu until '**:6 Dial Round**' is displayed. The current setting will also be displayed.
To change the setting press  .

Enter the required number (1-9).

Press  to save and exit, or
Press  to exit without saving.

ALARM MESSAGE PLAY TIME
This is the total time for which the alarm messages will be played & repeated when a call made by the voice dialer is answered.

Default setting: 70s

Scroll through the menu until '**:7 Play Time**' is displayed. The current setting will also be displayed.

To change the setting press  .

Scroll through the available options, (50, 70, 90 and 110s) until the required setting is displayed.

Press  to save and exit, or
Press  to exit without saving.

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DEFAULT SETTINGS

User Setup	
Password	Admin: 1234 User 1~5: Not Programmed
Name	Admin. User 1~5
Tel Remote	Admin: ON User 1~5: OFF
Record User Message	Not Programmed
Replay User Message	Not Programmed
Remoter	Not Programmed

System Setup	
Alarm Time	180s
Internal Siren	ON
External Siren	ON
Auto Report	ON 12h
RF Jamming Detection	OFF
Back Light	10s
Error Beep	OFF, 30s
Alarm Relay	ON until Disarm
Call Abort	OFF
Key Tone	ON
GSM Dialer	OFF
Dialer Mode	Voice
Wirefree Siren	ON
Wirefree Keypad	OFF
Zone Lock	ON

Zone Setup (1-36)	
Name	No Name
Type	Intruder
Chime Mode	OFF
Entry Delay	
Zone 1-36	OFF, 30s
Partial Arm 1	OFF
Partial Arm 2	OFF
Magnetic O/C Detector	ON
Auto Report	ON
Zone Status	OFF
Zone Reset	Not Programmed
Zone Siren	ON

Telephone Setup / Voice Dialer	
Phone Numbers	Not programmed
Record Voice	Not Programmed
Play Voice	Not Programmed
Alarm Dial	All numbers disabled
Tel Confirm Times	1
Dial Round	3
Play Time	70s

Telephone setup/ digital dialer.	
Phone	Not Programmed
Unit ID No.	Not Programmed
Call Attempts	3
Open/Close by User	OFF

Telephone setup/remote telephone control	
Remote Telephone Control	OFF
Remote Type	One Call
One Call Ring	Ring 6
Double Call Time	13s
Dial Method	DTMF

Fully arm setup	
Exit Delay	ON, 30s
Entry Delay Beep	ON
Exit Delay Beep	ON

Partial arm 1 setup	
Exit Delay	ON, 30s
Entry Delay Beep	ON
Exit Delay Beep	ON

Partial arm 2 setup	
Exit Delay	ON, 30s
Entry Delay Beep	ON
Exit Delay Beep	ON

Time & date setup	
Date	01/01/05 Sat.
Time	12:00:00

Latchkey setup	
Set Latch Key	All OFF
Set Partial User	OFF
Set Latch Key Tel Number	Not Programmed

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RESET FACTORY DEFAULT

1. Press

, User Password to place the system in Test Mode.

2. Undo the Control Panel cover fixing screws and open the cover.

3. Switch OFF the mains supply to the plug-in PSU Adaptor and remove the plug from the DC power socket in the Control Panel.

4. Remove either back-up battery and disconnect the battery leads.

5. Set jumper link P1 to the ON position.

6. Reconnect the battery leads and replace the back-up battery in position. Reconnect the PSU Adaptor plug to the DC power socket in the Control Panel and switch On the supply to the PSU Adaptor.

7. As the Control Panel powers-up, '**EEPROM RESET**' will be displayed while the factory default conditions are restored to memory. Once the memory reset has been completed '**DISARM READY**' will be displayed. The Control Panel will now be reconfigured with all factory default settings.

8. Reset jumper link P1 into the OFF position.

9. Close the Control Panel cover and refit the fixing screws.

PROGRAMMING INSTRUCTIONS

With the system in Disarm Mode.

Press , **Admin Password** ,

The system is now in the Programming Mode

Use the and buttons to scroll through the programming menu.

Press to select the displayed programming function or sub-menu.

Note:
After programming all required functions press ESC to leave Programming mode and return to Disarm mode.

Note: After recording the message, press ESC to stop the recorder and cancel any remaining message time.

REPLAY ALARM MESSAGES

Scroll through the menu until '**:3 Play Voice**' is displayed and press .

Scroll through the available menu options until the required message type is displayed.

a) **Main + Intruder Messages**
b) **Main + Fire Messages**
c) **Main + Panic Messages**
d) **Main + Medical Help Messages**

To replay the message press .

Press ESC to return to the top level Voice Dialer setup menu.

CALL ROUTING

This feature controls which telephone numbers are enabled in the dialing sequence and are dialed when the voice dialer is activated.

The current routing sequence is displayed on screen in the order of phone numbers 1-6. An 'X' indicates the number is disabled and a 'O' indicates the number is enabled in the routing sequence. e.g. A display = "00000x" indicates a call sequence of phone nos.1,2, 3, 4 and 5, phone number 6 is disabled and not called.

Default setting: all numbers disabled.

Scroll through the menu until '**:4 Alarm Dial**' is displayed. The current settings will also be displayed.

Scroll through the available menu options until the required telephone number (1-6) to be configured is displayed. The current status will also be displayed.

To change the setting press .

Press * to enable the number in the routing sequence, or
Press # to disable the number in the routing sequence.

TEL CONFIRM TIMES

This sets the number of acknowledged phone numbers required to stop the voice dialer. For example if set to "2" then the dialing sequence will continue until an acknowledgment is received from two different numbers, (e.g. Phone No. 1 and Phone No. 3). The recipient must acknowledge the message by pressing the * button on their telephone keypad.

TELEPHONE NUMBERS
Scroll through the menu until '**:1 SET TEL NO.**' is displayed and press .

Scroll through the menu until the required Telephone number (1-6) is displayed. The current setting of each telephone number will also be displayed.

To change the number press .

Enter the required telephone number (32 digits. max.) by inputting 0~9, *, # .

Three available options - '**Input Text**', '**Input No**.' and '**Delete**' can be chosen. Scroll through available options, (**Input Text**, **Input No**. and '**Delete**), until the required setting is displayed. To change the text, press .
When entering the text, press to toggle the number and character and enter the required text.
Enter the required telephone number (32 digits. max.) by inputting 0~9, *, # .
When entering the number, press to insert a 3.6s pause in the dialing sequence.

Press o save and exit, or
Press to exit without saving.

Notes:

Press to move the cursor left.

Press to move the cursor right.

Press to delete the character under the cursor.

Press and hold to erase the entire phone number or text.

RECORD ALARM MESSAGES
Scroll through the menu until '**:2 Record Voice**' is displayed and press .

Scroll through the available menu options until the required message type to be recorded is displayed.

a) **Main Alarm message**, (12 seconds max).
b) **Intruder Alarm message**, (4 seconds max).
c) **Fire Alarm message**, (4 seconds max).
d) **Panic Alarm message**, (4 seconds max).
e) **Medical Help Alarm message**, (4 seconds max).

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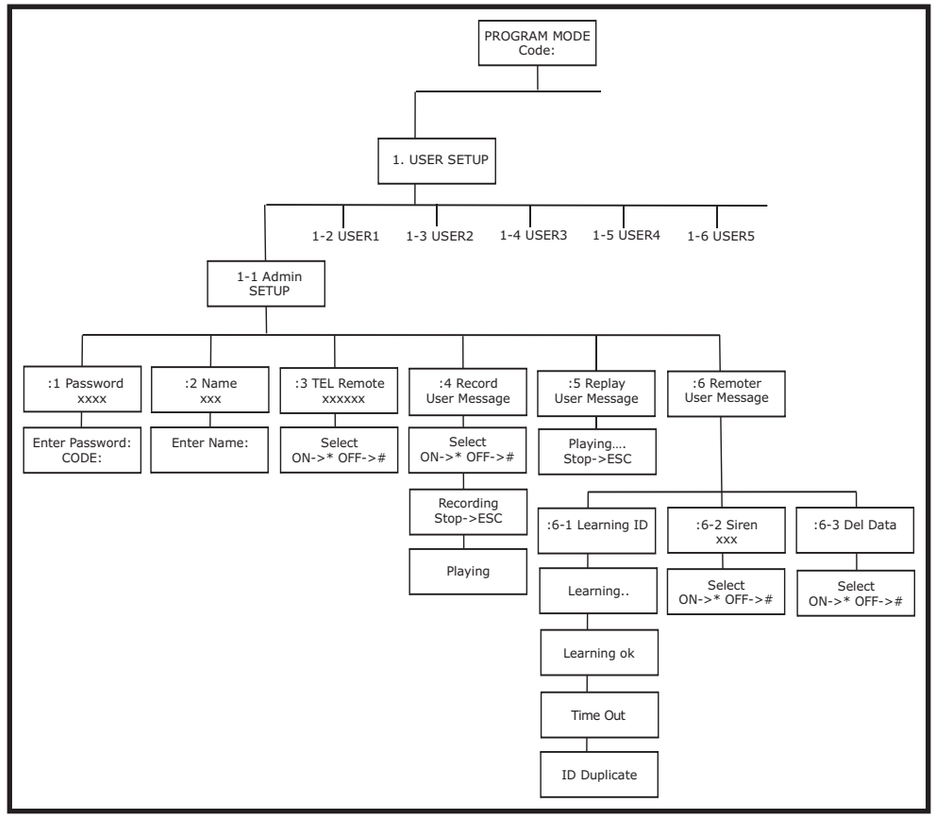
To record a new message press .
Press * to start the Voice Recorder. Once completed the recording will automatically be replayed.
or
Press # to exit without changing.

USER SETUP



Scroll through the top level programming menu until '**1. USER SETUP**' is displayed and press .

Use the and buttons to scroll through the menu until the required user to be configured is displayed and press .

Note:
After configuring all required users press to return to the top level programming menu.

ADMIN. & USERS 1-5
Default setting: not programmed
Scroll through the menu until the required User to be configured is displayed and press .

ADMIN. & USER PASSWORD
Scroll through the menu until '**:1 Password**' is displayed. For security

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purpose, the Admin. password won't be displayed, only User password will be shown on the display.

To change the setting press ↵.

Enter the new 4 digit Password and then

Press ↵ to save and exit, or
Press ESC to exit without saving.

USER NAME
This enables each user's name to be shown in the LCD screen once the system is armed/disarmed by the particular user. The maximum memorized capacity for each user name is 15 digits.

Scroll through the menu until '**:2 Name**' is displayed.
To change the setting press ↵.

Enter the user name by using the control panel's keypad.

Press ↵ to save and exit, or
Press ESC to exit without saving.

REMOTE SYSTEM CONTROL
This feature, if enabled, allows the system to be remotely controlled via the telephone.

Scroll through the menu until '**:3 TEL Remote**' is displayed.

To change the setting press ↵

Press * to enable the remote system control, or
Press # to disable the remote system control.

RECORD USER MESSAGE
This enables each user to record a short 4s message for use with the latchkey facility. e.g. "system disarmed by user-1".

Scroll through the menu until '**:4 Record User Message**' is displayed.

To record a new message press ↵ .

Press * to start the voice recorder, (max. duration: 4s) Once completed the recording will automatically be played back, or
Press # to exit without changing.

Note: After recording the message, press ESC to stop the recorder and cancel any remaining message time.

To change the setting press ↵ .

Press * to enable Auto Report function, or
Press # to disable Auto Report function.

ZONE STATUS
This controls whether the detector is implemented on the zone.

Default setting: ON

Scroll through the menu until '**:10 Zone status**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the implementation of Detector on the zone, or
Press # to disable the implementation of Detector on the zone.

ZONE RESET
This feature, if enabled, allows the deletion of the detector on the zone.

Scroll through the menu until '**:11 Zone Reset**' is displayed.

Press * to delete the setting of Detector on the zone, or
Press # to keep the latest setting without changing.

ZONE SIREN
This decides whether all of the sirens connected to the Control Panel will sound or be silent when the system is triggered.

Default setting: ON

Scroll through the menu until '**:12 Zone Siren**' is displayed. The current setting will also be displayed.

To change the setting press ↵.

Press * to enable the Sirens on the zone, or
Press # to disable the Sirens on the zone.

TELEPHONE SETUP
Scroll through the programming menu until '4-1. Voice Dial Setup' is displayed and press ↵ .

Note: After completing the Telephone Setup press ESC to return to the top level programming menu.

EN

Press ↵ to save and exit, or Press ESC to exit without saving.

PARTIAL ARM 1
This controls whether the zone is active when Partial Arm 1 is armed.

Default setting: OFF

Scroll through the menu until '**6: Partial Arm 1**' is displayed. The current setting will also be displayed.

To change the setting press ↵.

Press * to enable the Zone in Partial Arm 1, or
Press # to disable the Zone in Partial Arm 1.

PARTIAL ARM 2
This controls whether the zone is active when Partial Arm 2 is armed.

Default setting: OFF

Scroll through the menu until '**:7 Partial Arm 2**' is displayed. The current setting will also be displayed.

To change the setting press ↵.

Press * to enable the Zone in Partial Arm 2, or
Press # to disable the Zone in Partial Arm 2.

MAGNETIC CONTACT DETECTOR
This allows the control panel to be notified as to whether the magnetic contact detector is active or inactive when the system is disarmed.

Default setting: ON

Scroll through the menu until '**:8 Magnetic O/C Detector**' is displayed. The current setting will also be displayed.

To change the setting press ↵.

Press * to enable the Magnetic Contact Detector, or
Press # to disable the Magnetic Contact Detector.

AUTO REPORT
This feature, if enabled, allows the detector to be feed back the latest status to the Control Panel periodically.

Default setting: ON

Scroll through the menu until '**:9 Auto Report**' is displayed. The current setting will also be displayed.

REPLAY USER MESSAGE
Scroll through the menu until '**:5 Replay User Message**' is displayed.

Press ↵ to replay the user message. Press ESC to exit.

CODE LEARNING FROM REMOTE CONTROL
Each user has his own remote control. This enables the control panel to learn the specific code from each remote control.

Scroll through menu until '**:6 Remoter**' is displayed and press ↵.

CODE LEARNING
Pressing 🔓 button on the remote control will enable the control panel to learn the ID code.

Scroll through the menu until '**6-1 Learning ID**' is displayed.

Three possibilities would happen as follows:
Learning OK – the ID code was learned by the Control Panel successfully.
Time Out – the time involved for learning the ID code is 60s. During this duration, fail to press the 🔓 button on the remote control would result in overdue programming.
ID Duplicate – the same ID code was learned by the Control Panel beforehand. Use another remote control for code learning.

ALARM ALERT
This allows the user to decide whether the built-in siren in the control panel will be activated when pressing the panic switch on the remote control.

Default setting: ON
Scroll through the menu until '**6-2 Siren**' is displayed.

To change the setting press ↵.

Press * to enable the Siren, or Press # to disable the Siren.

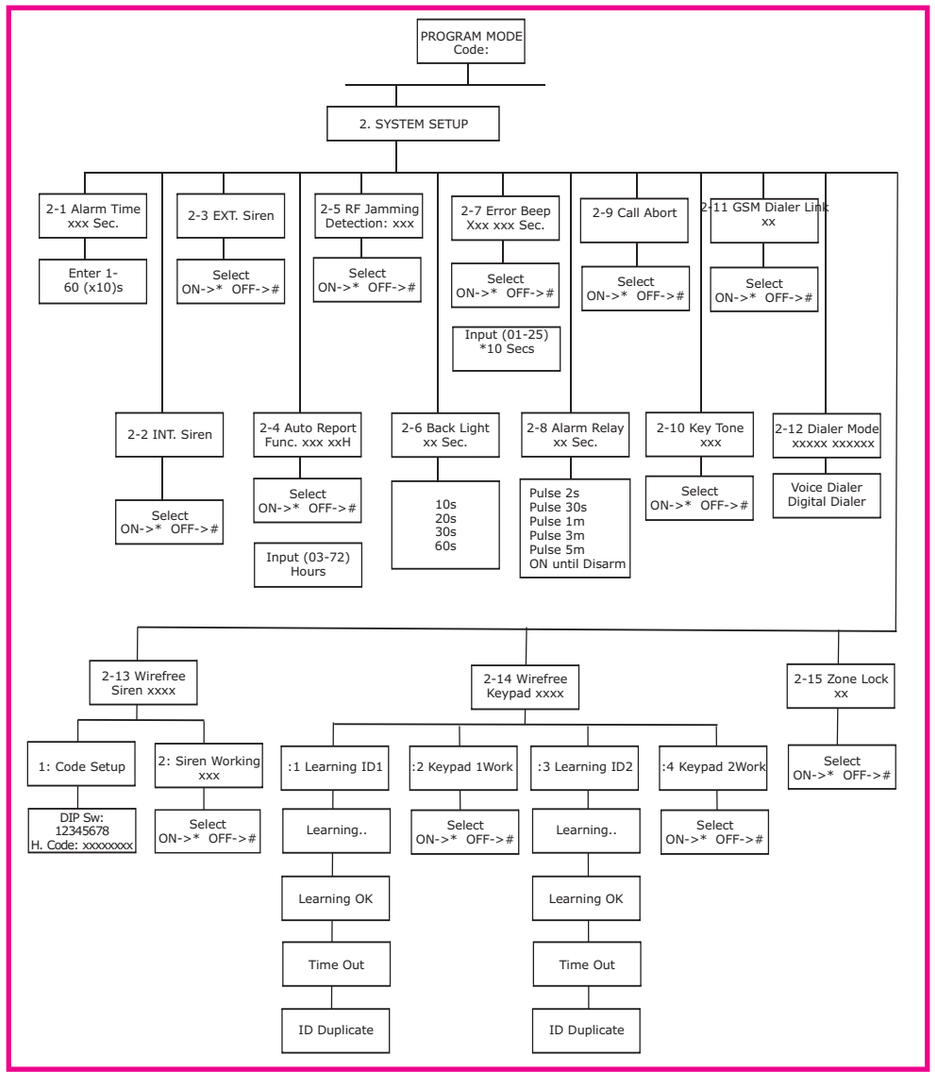
Note: If enabled, the operation of siren will depend on the respective setting on 'System Setup'. If disabled, all of the sirens won't be activated despite the 'System Setup' being enabled.

DELETE REMOTE CONTROL
In case of unexpected factors, this facility allows you to delete the remote control setting from the Control Panel.

Scroll through the menu until '**6-3 Del data**' is displayed.
To change the setting press ↵.

Press * to delete the remote control setting, or
Press # to keep the same setting.
Press ESC to return to the top level User-Setup menu.

SYSTEM SETUP



Scroll through the top level programming menu until '**2 SYSTEM SETUP**' is displayed and press ⏎ .

Note: After completing the system setup press ESC to return to the top level programming menu.

ALARM DURATION
Default setting: 180s

Medical help
- used to provide 24 hour monitoring of elderly family members. A medical help message will be dialed though either voice dialer or digital dialer depending on what type of dial mode you selected.

Panic
- used to provide 24 hour monitoring of any emergency being occurred. Activation of any Panic switch will immediately initiate a Full Alarm condition.

Note: Panic, 24-hour Intruder, Medical help and Fire modes all operate on a 24 hour basis, (i.e. they are able to initiate Full Alarm condition at any time irrespective of whether the system is Armed or Disarmed).

Default setting: 'Intruder'

Scroll through the menu until '**:3 Zone Type**' is displayed. The current setting will also be displayed.

To change the setting press ⏎ .

Scroll through available options until the required setting is displayed.

Press ⏎ to save and exit, or
Press ESC to exit without saving.

CHIME
This controls whether the Chime facility is available on the zone.

Default setting: OFF

Scroll through the menu until '**:4 Chime Mode**' is displayed. The current setting will also be displayed. To change the setting press ⏎ .

Press * to enable the zone's Chime facility, or
Press # to disable the zone's Chine facility.

ENTRY DELAY
Default setting: OFF 30 Sec.

Scroll through the menu until '**:5 Entry Delay**' is displayed. The current setting will also be displayed.

To change the setting press ⏎ .

Press * to enable the zone's Entry-delay and enter the required delay period (10 to 250s) , or
Press # to disable the zone's Entry-delay.

EN

CODE LEARNING

This enables the Control Panel to be learned the ID from each detector.

Scroll through the menu until '**Learning ID**' is displayed and press .

Pressing tamper switch on the detector will emit ID code to the Control Panel instantly.

Three possibilities would happen as follows:
Learning OK – the ID code was learned by the Control Panel successfully.
Time Out – the time involved for learning the ID code is 60s. During this duration, fail to press the tamper switch on the detector would result in overdue programming.
ID Duplicate – the same ID code was learned by the Control Panel beforehand. Try again for code learning.

NAME
Default setting: 'No name'

Scroll through the menu until '**:2 Zone Name**' is displayed. The current setting will also be displayed.

To change the setting press .
Scroll through available options until the required setting is displayed.

Press to save and exit, or
Press to exit without saving.

TYPE
Each alarm zone may be programmed to operate in one of 5 different modes depending on the type of alarm function it is required to perform. The following alarm types are available:

Intruder
- provides standard intruder monitoring with normal ARM and PARTIAL ARM functions.

24 Hour Intruder
- used to provide 24 hour monitoring of areas requiring continuous security protection even while the system is Disarmed, (e.g. gun lockers). Activation of any detector on a security zone will immediately initiate a Full Alarm condition.

Fire
- used to provide 24 hour monitoring of any Fire/Smoke detectors fitted to the system. Activation of any detector will immediately initiate a Full Alarm condition.

Scroll through the menu until '**2-1 Alarm Time**' is displayed. The current setting will also be displayed. To change the setting press .

Enter the required alarm duration in units of 10s.e.g. enter 6 for a 60s alarm duration (max setting 60, i.e. 600s/10mins).

Press to save and exit, or
Press to exit without saving.

Note: Following initiation of a Full Alarm condition the External Siren will continue to sound until either the system is disarmed; or the Control Panel Alarm Duration Time expires.

Press to return to top level System Setup menu.

INTERNAL SIREN
Default setting: ON

Scroll through the menu until '**2-2 INT. Siren**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to enable the Siren, or
Press # to disable the Siren.

EXTERNAL HARDWIRED SIREN
Default setting: ON

Scroll through the menu until '**2-3 EXT. Siren**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to enable the Hardwired Siren, or
Press # to disable the Hardwired Siren.

AUTO REPORT
The associated detectors will emit a radio signal to the Control Panel every one hour as an aknowledgement of proper operation. If within a certain period of time, the control panel does not receive a radio signal from the detectors. This feature, if enabled, allows the Control Panel to show an abnormal indication as a reminder.

Default setting: ON 12H

Scroll through the menu until '**2-4 Auto Report Func.**' is displayed. The current setting will also be displayed.

EN

To change the setting press .

Press * to enable the Auto Report function, or
Press # to disable the Auto Report function.

JAMMING DETECTION
This feature controls the Control Panels RF jamming detection circuitry, which if enabled, will continuously scan for radio jamming signals on the system operating frequency.

Default setting: OFF

Scroll through the menu until '**2-5 RF Jamming**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to enable Jamming Detection, or
Press # to disable Jamming Detection.

CONTROL PANEL BACK LIGHT
This controls the time period that the backlight for the Control Panel display will stay illuminated for after the last key is pressed.

Default setting: 10s

Scroll through the menu until '**2-6 Back Light**' is displayed. The current setting will also be displayed.

To change the setting pres s .

Scroll through available options, (10, 20, 30 and 60s) until the required setting is displayed.

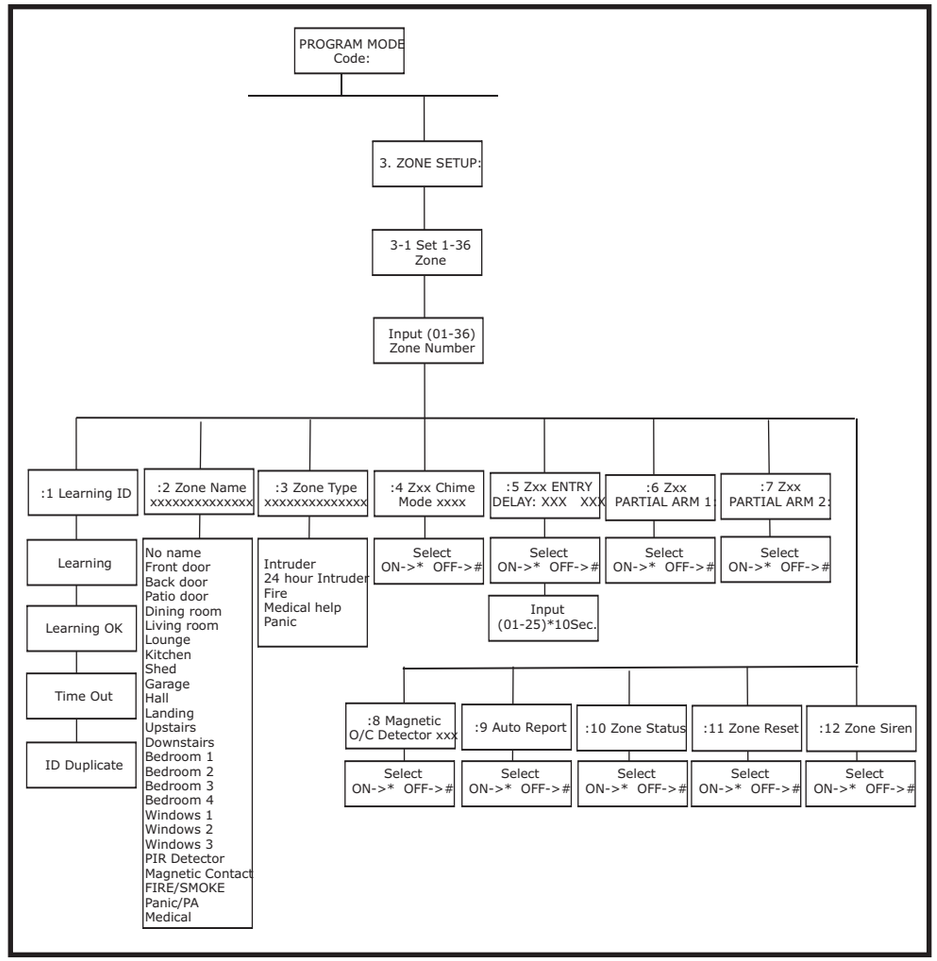
Press to save and exit, or
Press ESC to exit without saving.

WARNING BEEP
When any abnormal conditions have occurred such as the system being triggered or detectors' low battery, the 'ALARM MEM' LED on the Control Panel will be on accompanying warning beep as a reminder. This feature, if enabled, allows the Control Panel to be emitted a warning beep periodically once abnormal conditions is occurred.

EN

If when the system is disarmed the 'ALARM MEM' LED is flashing and the Control Panel beeps periodically, this indicates that an alarm has occurred. To cancel the LED and stop the beeping you must access the event log or press ESC to eliminate the flashing 'ALARM MEM' LED and the beeping as well.

ZONE SETUP



Scroll through the programming menu until '**3. ZONE SETUP**' is displayed and press .

Enter the zone number to be configured and press .

The following configuration options are based upon configuring zone 1. Options for all other zones (2-36) are identical except the zone number reference will change according to the zone being configured.

EN

Scroll through the menu until ':3 Learning ID2' is displayed.

Three possibilities would happen as follows:
Learning OK - the ID code was learned by the Control Panel successfully.
Time Out - the time involved for learning the ID code is 60s. During this duration, fail to press the button on the remote control would result in overdue programming.
ID Duplicate - the same ID code was learned by the Control Panel beforehand.

Scroll through the menu until '**:4 Keypad2 Work**' is displayed and press .

Press * to enable the Wireless Keypad, or
Press # to disable the Wireless Keypad.

ZONE LOCKOUT
This feature, if enabled, prevents a single zone from triggering an alarm condition more than three times before the system is disarmed. However, if disabled, there is no limit on the number of times a zone can trigger an alarm condition.

Default setting: ON

Scroll through the menu until '**2-15 Zone Lock**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to enable Zone Lockout, or
Press # to disable Zone Lockout.

Default setting: OFF 30s

Scroll through the menu until '**2-7 Error Beep**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to enable Warning Beep and enter the required beeping interval in units of 10s. e.g. enter 6 for a 60s beeping interval (max. setting 25, i.e. 250s)
Press # to disable Warning Beep.

ALARM RELAY
This setting controls the operation period for the NO/NC hardwired output relay contacts following an alarm condition being initiated.

If this is set to '**ON until Disarm**' then the relay will latch and remain On until the system is next disarmed.

Default setting: **ON until Disarm**

Scroll through the menu until '**2-8 Alarm Relay**' is displayed. The current setting will also be displayed.

To change the setting press .

Scroll through available options, (2s, 30s, 60s, 180s, 300s and ON until Disarm) until the required setting is displayed and then

Press to save and exit, or
Press ESC to exit without saving.

CALL ABORT
This feature, if enabled, will delay the activation of the telephone dialer following an alarm for a period of approx. 30s to allow the system to be disarmed.

Default setting: OFF

Scroll through the menu until '**2-9 Call Abort**' is displayed. The current setting will also be displayed.

To change the setting press .

Press * to enable Call Abort, or
Press # to disable Call Abort.

KEY TONE
This feature, if enabled, allows the Control Panel to be emitted a tone each time the keypad is pressed.

Default setting: ON

Scroll through the menu until '**2-10 Key Tone**' is displayed. The current setting will also be displayed.

To change the setting press ↵.

Press * to enable Key Tone, or
Press # to disable Key Tone.

GSM DIALER
This feature, if enabled, allows the Control Panel to be connected the GSM dialer.

Default setting: OFF

Scroll through the menu until '**2-11 GSM Dialer**' is displayed. The current setting will also be displayed

To change the setting press ↵ .

Press * to enable GSM dialer, or
Press # to disable GSM dialer.

DIAL MODE
This facility controls whether the internal telephone dialer operates with the voice dialer facility or an external Remote Security Monitoring service.

Default setting: Voice Dialer

Scroll through the menu until '**2-12 Dialer mode**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Scroll through available options, (Voice Dialer and Digital dialer) until the required setting is displayed.

Press ↵ to save and exit, or
Press ESC to exit without saving.

EN

WIRELESS SIREN HOUSE CODE
Scroll through the menu until '**2-13 Wirefree Siren**' is displayed and press ↵

Code Learning
The wireless siren has a row of 8 DIP switches. In order to communicate with the Control Panel properly, the house code for the wireless siren needs to be

learned by the Control Panel.

Scroll through the menu until '**1:Code setup**' is displayed and press ↵ . Press the Control Panel's keypad 1-8 by selecting 0 or 1 respectively in turn. (1 means the dip switch is set in ON position, 0 is set in OFF position).

Press ↵ to save and exit, or
Press ESC to exit without saving.

ENFORCEMENT FOR WIRELESS SIREN

Default setting: ON

Scroll through the menu until '**2: Siren working**' is displayed. The current setting will also be displayed.

To change the setting press ↵ .

Press * to enable the Wireless Siren, or
Press # to disable the Wireless Siren.

WIRELESS KEYPAD
This feature, if enabled, allows the Control Panel to be controlled wireless keypad with ease.

Default setting: OFF

Scroll through the menu until '**2-14 Wirefree Keypad**' is displayed. The current setting will also be displayed and press ↵.

Code Learning

Scroll through the menu until '**:1 Learning ID**' is displayed.

Three possibilities would happen as follows:
Learning OK – the ID code was learned by the Control Panel successfully.
Time Out – the time involved for learning the ID code is 60s. During this duration, fail to press the 🔓 button on the remote control would result in overdue programming.
ID Duplicate – the same ID code was learned by the Control Panel beforehand.

Scroll through the menu until '**:2 Keypad1 Work**' is displayed and press ↵ .

Press * to enable the Wireless Keypad, or
Press # to disable the Wireless Keypad.

EN