WIRELESS ALARM TELEPHONE SYSTEM

# USER MANUAL

GB

CE

P0206020-TA3001-IM01

# TABLE OF CONTENTS

# *INTRODUCTION / BEFORE USE*

### *Dear Customer*

Congratulations to your purchase of this alarm phone. The product you have bought is state of art, of highest quality and has many advanced features.

The alarm phone is a full feature phone combined with wireless alarm system. It can be connected to an infinite number of wireless sensors such as PIR sensors, magnetic sensors, panic buttons, etc. Once the alarm phone is triggered by any of these sensors, it will start dialling a user defined dial list and deliver a user recorded alarm message to the receiver of the call. The dial list could for instance contain your mobile phone number.

### *NOTE* ⚠

Please read this Instructions Manual carefully so that you get the most from your phone with alarm system.

### *IMPORTANT* ⚠

Automatic calls to police, fire department etc., are normally not allowed and will usually not be responded to and it might cause severe penalty if not obeyed. Do not include these numbers in the dial list. Some private security and surveillance agencies might accept and respond to automatic calls from this alarm phone on a subscription basis.

***DO NOT FORGET THE PIN CODE!!!***

The setup section of the phone is PIN code protected by a 4-digit PIN code. The factory preset PIN code is 0000 (4 zeroes). The PIN code can be changed to any 4 digits and if this new PIN code is lost there is no way the PIN code can be retrieved or reset unless by sending the unit to the service center which is both costly and time-consuming.

Therefore, keep the PIN code in a safe place where you can always find it.



### *ABOUT POWER*

The phone must use the adaptor as the power source. The batteries are only for backup in case of mains power failure. The phone will only run a few days on battery power alone. The phonebook, alarm numbers and system configuration is nonvolatile and will not be deleted even in case of total power failure. However, the ***CID*** memory and redial number list will be deleted in case of total power failure.

### *CHANGING BATTERIES*

Make sure to read all CID 's and observe if there are any ***MWI*** 's before changing batteries. Also write down any important numbers in the redial list or store them in the pho**n**ebook before changing the batteries.

For safety reasons, please disconnect all the wires connected to the phone before opening the battery compartment. Then take out the old batteries and dispose them with environmental care according to manufacturers instructions. Then proceed from the installation procedure page 7.

### *TERMS TO KNOW*

There are a few terms commonly used in this users guide which are good to memorise before proceeding:

IDLE STATE or NORMAL STATE is the state where the phone is not armed and is literally doing nothing except waiting for some user action or a CID message. The phone is powered up in IDLE STATE. Most operation examples in this users guide assumes that IDLE STATE is the example take off point.

PART ARM STATE is the state where the part arm sensor detection is active. The phone will go to the PART ARM STATE when you press the " ▪▪ " button on the base unit or the remote control. The intention behind the part arm mode of operation is that the user is at home and basically needs to know if somebody enters the premises while he/she is at home. In addition the 24H alarm PANIC switches, tamper switches and smoke detectors will be active in PART ARM mode of operation as well.

ALARM STATE is the state where the sensor has been activated and alarm number dialling has commenced.

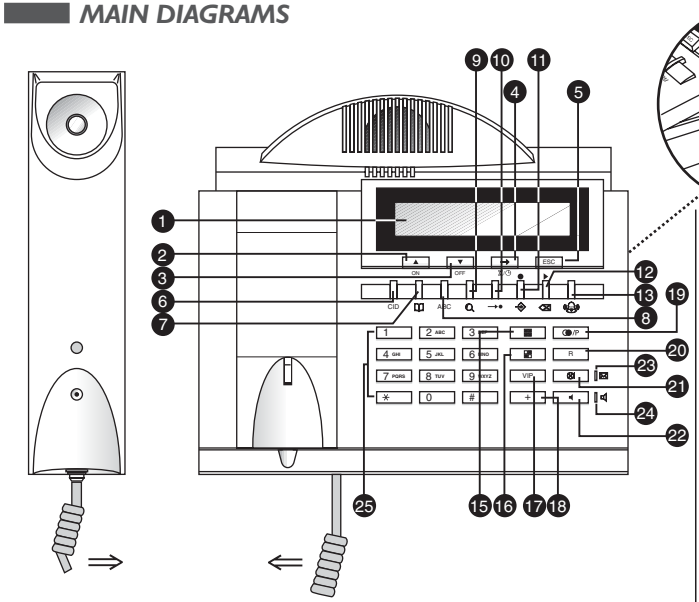
ESC key is used for terminating or restarting an operation. Pressing the ESC key during setup will return to the IDLE STATE and pressing the ESC key in IDLE STATE will clear the display.

## PARTS AND ACCESSORIES

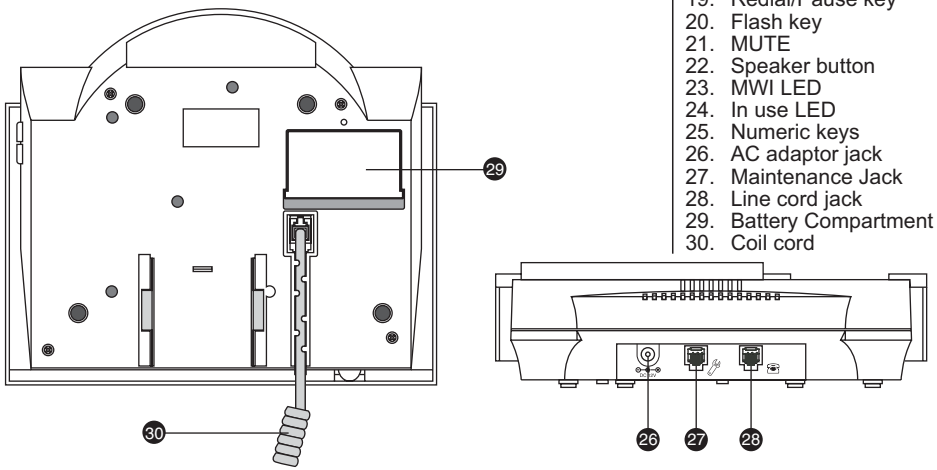
After unpacking the unit, please make sure the below parts are present:

- Alarm telephone base unit
- Handset with spiral cord
- Line cord
- 12V DC 300mA power supply adaptor with cord
- 3 pieces self adhesive alarm labels
- Instruction Manual
- 4 pieces 1.5V AA alkaline batteries
- Other sensor units together with related accessories depending on the package offered by your distributor

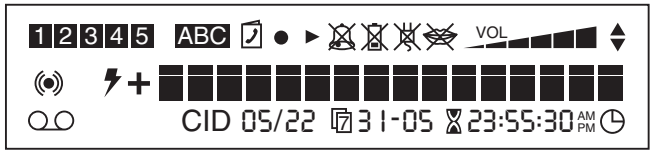
## MAIN DIAGRAMS



1. LCD
2. Up key
3. Down key
4. Next key
5. Exit key
6. Caller ID
7. Phone book
8. ABC key
9. Search key
10. Setup key
11. Store key
12. Delete key
13. Help key
14. Volume up/down key
15. FULL ARM key
16. PART ARM key
17. VIP key
18. PREFIX key
19. Redial/Pause key
20. Flash key
21. MUTE
22. Speaker button
23. MWI LED
24. In use LED
25. Numeric keys
26. AC adaptor jack
27. Maintenance Jack
28. Line cord jack
29. Battery Compartment
30. Coil cord



## LCD



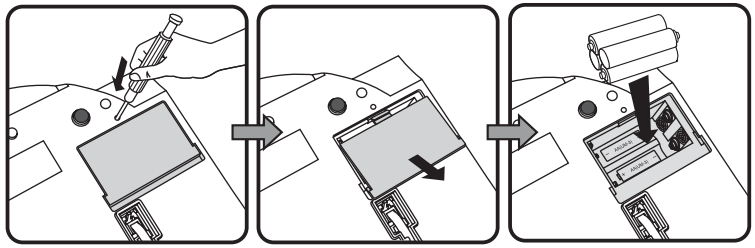

| Symbol | Description |
|---|---|
| 1 2 3 4 5 | Dial-list number |
| ABC | Alpha-mode active |
| | Phonebook active |
| ● | Record |
| ► | Play |
| | Ringer Off |
| | Low battery |
| | Main power failure |
| | Microphone mute |
| VOL | Volume level |
| | Scrolling active |
| | Part Arm Indication |
| | Alarm activated |
| + | Prefix active |
| | Message Waiting Indication |
| CID 05/22 | Caller ID (number showing unchecked incoming calls with caller ID / total number of incoming calls with caller ID) |
| 31-05 | Date (DD/MM) |
| 23:55:30 AM PM | Call duration timer / Clock |

## *TELEPHONE INSTALLATION*

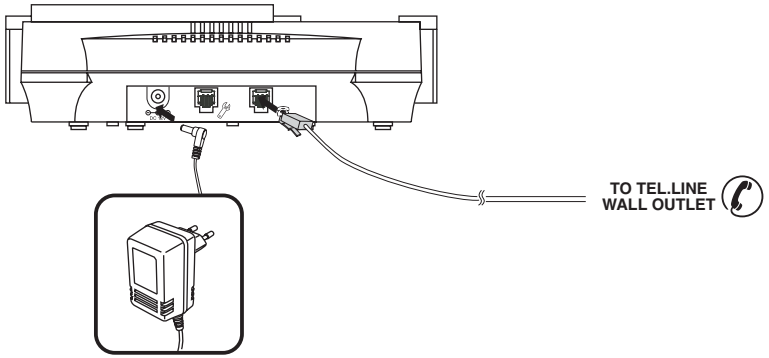
1. Place the unit in a central room in your premises in order to maximize security by increasing the probability of intruder detection. This would normally be either the hallway or the living room.

2. Installation of the wireless sensors, please refer to ***Section H*** " ***SENSOR INSTALLATION AND OPERATION*** ".

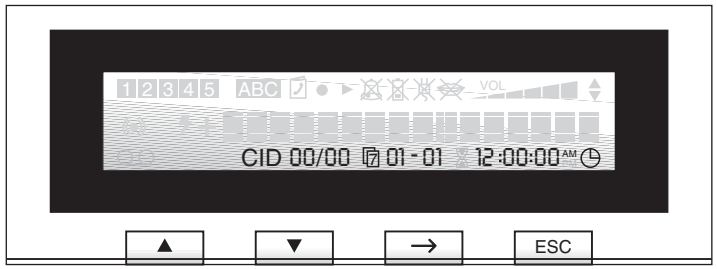
3. Install 4 fresh high quality AA size alkaline batteries in the battery compartment.



4. Connect the telephone line cord to the unit.
5. Connect the adaptor to the main wall plug.
6. Connect the adaptor DC jack to the unit.




The installation is now completed and the LCD display should look as below:




# *SECTION A* *FEATURES LIST*

***Telephone:***

- On-hook dialling
- Alphanumeric LCD display with symbols (15 characters/16 digits)
- Mute
- Pause (2 seconds)
- Flash (selectable 100-600ms in 100ms steps)
- Call duration timer
- 12/24 hour clock, month and date real time clock
- Ringer high/low/off
- Volume adjustable in handset and speaker
- Selectable ringer type (slow/fast)
- Predialling function
- Prefix (default on/off)
- LCD contrast adjustment
- Digital volume control

***Caller ID (CID):***

- 50 caller ID records (32 digits, 15 characters)
- Shows time, date and number of the call or name of the caller if the no. is stored in the phone book.
- Chronological listing of CIDs.
- Transfer of CID records to the phone book.
- Call back, scroll or delete CID numbers.
- User programmable CID type (i.e. FSK or DTMF or Dual mode).

***Phone book:***

- 10 last number redial (of 32 digits each)
- 1 one-touch memory " **VIP** " key (32 digits, 15 characters)
- Phone book with 50 records (32 digits and 15 characters each).
- Search of record by name.
- Phone matching

***Alarm functions:***

- Infinite number of wireless sensors
- Part-arm or full arm ⇔ Home and away protection
- Remote control
- Remote arming (by dialling from external phone)
- 5-90 seconds delayed entry/exit time.
- 10 seconds user recorded alarm message.
- Optional disconnection of siren.
- Dialling list of 4 phone numbers (of 32 digits each) and max. 3 attempts each.
- Power failure alarm
- Internal siren

# SECTION B *QUICK GUIDE FOR ALARM SYSTEM OPERATION*

## 1. *Telephone Installation*

Please refer to page 7 for telephone installation.

## 2. *Factory Default Settings*

The factory setting is listed on page 43. This setting is suitable for most people and if you accept this setting, please go to step 3. Otherwise, you can refer to ***Section G*** to make your own desired configuration.

## 3. *Sensor Installation and Operation*

You can install your purchased sensors with adjusting the S-code to be same as the alarm phone. Please refer to ***Section H*** for sensor installation and operation.

## 4. *Recording Your Own Alarm Voice Message*

4.1. There is 10 seconds user message that can be replayed to the receiver. For example, you can record as

"Alarm call from John Smith, Security Road 45, West London.
Please acknowledge the call, and drive to the premises immediately."

To record your voice:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **RECORD/PLAY MSG.** "
- Lift the handset and be ready.
- Press " ◈ " ( ● ) key and start speaking for 10 seconds
- Press " ⌫ " ( ▶ ) key to hear what has been recorded
- Press [ESC]

4.2 The alarm phone can identify four different types of sensors: panic, fire, intruder and power failure. You can record your own voice message with alarm type to be played together with the user message above. The receiver of the alarm call will then be able to identify what kind of alarm call it is." To record your voice message do as follows":

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **RECORD/PLAY MSG.** "
- Lift the handset and be ready.
- Press key [1] to record the panic message
- Press key [2 ABC] to record the fire message
- Press key [3 DEF] to record the intruder message
- Press key [4 GHI] to record the power failure message

* Recording will start when you press [#] and it will automatically be replayed for verification after recording ends.

* *The factory pre-recorded alarm message is in English. If you want to keep the English alarm message, you can skip the above steps.*

## 5. *Setting the Dial list*

The dial list contains the numbers to be dialled in case of an alarm. There can be maximum 4 numbers on the dial list and each number will be dialled 3 times.

To store your own list:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **SET DIAL-LIST** "
  Use the [▲] / [▼] keys to find. **The position in the dial-list(1-4)**
- Input a number on the dial list using [1] ... [9 WXYZ] , [✳] , [#] , [◉/P] and " ⌫ " keys
- Proceed with the next dial list entry or press [ESC] to complete

## 6. *PART ARM Mode*

Under PART ARM mode, you can select your own desired protection area in the premises.

The PART ARM mode can be activated in either of the following two ways:

1. By pressing " ▞ " on the 4-button remote control. (Please refer to ***Section H*** for more details.)
2. By pressing " ▞ " on the telephone unit.

The following sensors will be operated under PART ARM mode:

- PIR sensors
- Magnetic sensors
- 24-hours operated sensors like smoke detectors, 4-button remote control, panic button, pendant.

***Note:*** The PIR & magnetic sensors can be operated ONLY if the 9th dip switch is put to ON state.

## 7. *FULL ARM Mode*

Under FULL ARM mode, you can select your own desired protection area in the premises.

The FULL ARM mode can be activated in either of the following three ways:

1. By pressing " ■ " on the 4-button remote control. (Please refer to ***Section H*** for more details.)
2. By pressing " ■ " on the telephone unit.
3. By remote arming - Please refer to ***section F*** point for more details.

All sensors will be active as well as power failure alarm activation.

## 8. *Disarm the System*

You can disarm the system by either:

- Press " ▫ " on the 4-button remote control.
- Press the PIN code on the alarm phone unit.

For more details and advanced setting, please refer to the main user manual. It is highly recommended to go through the whole manual in order to have full understanding of the operation.

# SECTION C TELEPHONE OPERATION

### 1. Dialling a Number

There are two ways to dial a number.

1.1 On-hook dialling

Key in the number in dial state or retrieve it from the phone book, the CID bank, VIP memory or the redial list. After the number is keyed in or retrieved press [ ◄ ] or lift the handset.

1.2 Off-hook dialling

Press [ ◄ ] or lift the handset then dial the number.

The first method is generally recommended as it normally will speed up the dialling as wrongly keyed digits can be corrected before dialling.

Dialling starts by either pressing the [ ◄ ] (On-hook Dialling) key or by lifting the handset. On-hook Dialling means that the phone will go off-hook and the audio line signal will be output through the speaker at the top of the cabinet. The handset microphone is totally muted in this state so the other end will not be able to hear what is being said. In order to start a conversation, the handset must be lifted.

### 2. On-hook Dialling

You may enter the phone number to be called BEFORE or AFTER pushing the [ ◄ ] button to put your phone off-hook. And, On-hook Dialling works with phone numbers stored in phone book, one touch memory, redial list and Caller ID memory. When the called number is answered, you have to pick up the handset to talk to the other end.

### 3. Volume Control

In both On-hook dialling and handset dialling mode the volume can be adjusted in 6 steps by pushing the volume up/down keys at the top right hand side of the telephone base unit. The current volume level is displayed in the top right hand corner of the display.

### 4. Switching from On-hook Dialling to handset operation

When the handset is picked up from On-hook Dialling state, there is no way back to On-hook Dialling mode. The only way to terminate the call is by replacing the handset in the cradle or by holding down the cradle hookswitch.

### 5. Microphone Mute

When using the handset, the microphone can be muted by pressing the [ ⊠ ] key. The microphone mute status will be indicated in the display by the icon " ⊠ ". [ ⊠ ] the key once more to deactivate the microphone mute.

### 6. Flash

The [ R ] key (Register Recall) will make a line flash of 100-600ms depending on user setting (Refer to ***Section G***, point ***15***). Flash is normally only usable when the phone is connected to a PABX and normally it will tell the PABX that a new dial tone is needed for intercom or call diversion. However, some network operators implement similar services that can utilise flash signals.



Pressing [ R ] in Off-hook state will clear the display and only digits dialled after pressing [ R ] will be recorded as the redial number.

### 7. Redialling in Off-hook Condition

Pressing [ ●/P ] when off-hook will recall the number dialled in the previous call and start dialling this number instantly. (Refer to ***Section D***, point ***8*** for an explanation of how to use the redial list.)

### 8. Direct dialling & Prefix in Off-hook condition

Pressing the direct number key [ VIP ] or the [ + ] key will recall the stored number and start dialling instantly. Refer to ***Section D***, point ***6*** and ***7*** for an explanation of how to store numbers in "VIP" and prefix memory locations.

### 9. Call Duration Timer

When lifting the handset or pressing [ ◄ ], the clock in the lower right hand side of the display will switch automatically to a call duration timer indicated by an ⧗ icon.

The call duration timer will display the total off-hook timer as HH:MM:SS.

Pressing the [ → ] key will switch the display back to normal time display.

### 10. Date and Time Display

The phone has real time clock displayed in the lower right hand side of the display. The date and time can be displayed in either 24H or 12H mode.

In 24H mode the date/time decoding is DD:MM HH:MM:SS

In 12H mode the date/time decoding is MM:DD HH:MM:SS and either AM or PM is lit.

The clock automatically compensates every 4 years with an extra day in February.

To set the clock refer to ***Section G***.

### 11. Ringing Level Setting

The ringing level can be set to HIGH, LOW or OFF. To set the ringing level:

- Press " →● "
- Enter PIN code
- Press [ → ]
- Use the [ ▲ ] / [ ▼ ] keys to select the ringing level.
- Press [ ESC ]

When ringing is off, a symbol 🔕 will appear in the display.

### 12. Ringing Type Setting

The ringing type can be either FAST or SLOW. To set the ringing type:

- Press " →● "
- Enter PIN code
- Press [ → ] twice
- Use the [ ▲ ] / [ ▼ ] keys to select FAST/SLOW respectively.
- Press [ ESC ]

## 13. *Dial prefix*

The phone provides a dial prefix that when selected will be dialled first if selected in the setup menu. The prefix number is programmed the same way as direct dialling numbers (Refer to ***Section D***, point ***7***).

The dial prefix can for instance be used as:

– Prefix for international calls
– Prefix for dialling through a PABX.
– Prefix for using a distinctive network operator
– An additional direct dialling number

The dial prefix can be permanently selected in the phone configuration setup.

A " + " in front of the number to dial indicates that the prefix will be dialled first.

Pressing the [ + ] key will toggle the prefix usage.

When the prefix is permanently switched on, the " + " sign will be default, but pressing the [ + ] key will switch it off for the next call.

When the prefix is permanently switched off, the " + " sign will be absent, but pressing the [ + ] key will switch it on for the next call.

For an explanation of how to program the dial prefix refer to ***Section D***, point ***7***.

## 14. *Inputting a Number*

In IDLE STATE digits "0-9", "* ", "# " and "●/P "can be keyed in.

The key " ⌫ " works as a backspace key deleting the digits backwards.
[ESC] will erase the number completely.

16 digits can be displayed at a time. If more digits are entered the display will scroll left displaying the last 16 digits entered. In IDLE STATE up to 32 digits can be entered.

You cannot input more than 32 digits for each entry.

The [●/P] key has dual function in the IDLE STATE. If no digits have been entered (display blank) the [●/P] key works as REDIAL causing the redial list to be recalled otherwise the [●/P] key will work as PAUSE inserting a 2 second dial pause in a number indicated in the display as a comma.

Example:

| *Key in* | *Display* |
|---|---|
| [0] [●/P] [2 ABC] [3 DEF] [4 GHI] [5 JKL] |  |



The phone will dial the digit " 0 " then make a 2 second pause before processing to dialling " 2345 ".

The dial pause is useful when dialling through PABX's or dialling extension numbers.



# SECTION D *PHONE BOOK OPERATION*

## 1. *Storing a Number in the Phonebook*

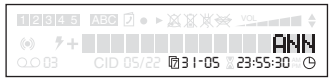
A phonebook entry consists of a number and a name.

– Input the number in IDLE STATE
– Switch to name mode by pressing " ABC"
– Input the name using the keys [1].....[9 WXYZ]
– Press " ⇨ "
– The phone will confirm by writing " STORE? " in the display.
– Press " 🕮 "
– Press [ESC]

The name is mandatory. It is not possible to store a telephone number without a name.

When inputting a name like for instance "ANN" with a double " N ", there will be a 1 second delay before the second " N " can be input.

Example: ***Key in the name ANN***

| | *Key in* | *Display* |
|---|---|---|
| Press " 2 " to get **A** | [2 ABC] |  |
| Press " 6 " twice without intermediate delay to get the first **N** | [6 MNO] [6 MNO] |  |
| Wait for 1 second to elapse | | |
| Press " 6 " twice without intermediate delay to get the second **N** | [6 MNO] [6 MNO] |  |



The phonebook can hold 50 entries in non-volatile memory.
If the phonebook is full, the following message will be displayed:

MEMORY FULL!

Press [ESC] to clear the message.

If the phone dial prefix is going to be used permanently then do not program the same dial prefix as part of the phone book numbers — otherwise the same prefix will be dialled twice.

The characters in the table below can be used in names for phonebook entries, names attached to the quick-dial number " VIP " and the prefix. These are also the characters that can be used as search characters for phonebook search.

The letters and characters in the table below are found by pressing keys [1] ..... [9 WXYZ]

| Press Keys | 1 st | 2 nd | 3 rd | 4 th | 5 th | 6 th | 7 th | 8 th | 9 th | 10 th | 11 th | 12 th | 13 th | 14 th | 15 th |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | . | : | - | / | & | ! | , | + | ? | * | # | ( | ) | 1 |
| 2 ABC | A | B | C | À | Á | Â | Ã | Ä | Å | @ | Æ | Ç | 2 | | |
| 3 DEF | D | E | F | È | É | Ê | Ë | 3 | | | | | | | |
| 4 GHI | G | H | I | Ì | Í | Î | Ï | 4 | | | | | | | |
| 5 JKL | J | K | L | 5 | | | | | | | | | | | |
| 6 MNO | M | N | O | Ñ | Ò | Ó | Ô | Õ | Ö | Ø | Ø | 6 | | | |
| 7 PQRS | P | Q | R | S | ß | 7 | | | | | | | | | |
| 8 TUV | T | U | V | Ù | Ú | Û | Ü | 8 | | | | | | | |
| 9 WXYZ | W | X | Y | Z | Ý | 9 | | | | | | | | | |

## 2. *Retrieving a Number from the Phonebook*

Press " 🕮 "

The alphabetically highest ranking entry will be displayed.

The alphabetical order is:

SPACE ! # % & ( ) * + , - . / 0 1 2 3 4 5 6 7 8 9 : ? @ A-Z Special characters (e.g. À Á)

Use [▲] / [▼] keys to move backward and forward in the phonebook.

## 3. *Searching the Phone Book*

Press " 🕮 "

The [▲] / [▼] keys can be used at any time to go back and forth in the phonebook entries.

To search a specific name press the first character of the name. Then press " 🔍 ".

Example: ***To search the first entry beginning with the letter B.***

- Press the [2 ABC] key twice to get the **B** start character
- Press " 🔍 "

The first matching (or closest matching) entry will then be displayed. If there is no entries starting with **B**, the search will continue automatically with entries starting with **C** and so on until a match is found.

All phonebook entries are alphabetically sorted using the first 4 characters. This means that entries like **BRIAN JOHNSON** and **BRIAN SMITH** may not necessarily come in perfect alphabetical order since the first 4 characters in the entries are the same.

Having found a phonebook entry the phone number can be displayed by pressing the " ABC " key. Press " ABC " once more to display the name again.

## 4. *Dialling a Phonebook Entry*

Press " 🕮 "

Find the entry that has to be dialled by using [▲] / [▼] keys or by searching the phonebook.

Dial the entry by pressing [🔈] or lifting the handset.



## 5. *Deleting a Phonebook Entry*

Press " 🕮 "

Find the entry that should be deleted by using [▲] / [▼] keys or by searching the phonebook.

Press " ⌫ " key twice.

## 6. *Storing a Direct Dial Number " VIP "*

To store a direct number:

- Input the number in IDLE STATE
- Switch to name mode by pressing " ABC "
- Input the name using the keys [1] ..... [9 WXYZ]
- Press " ⇨ "
- The phone will confirm by writing " STORE? " in the display
- Press [VIP]
- Press [ESC]

## 7. *Storing the Dial Prefix*

To store the dial prefix:

- Input the number in IDLE STATE
- Switch to name mode by pressing " ABC "
- Input the name using the keys [1] ..... [9 WXYZ]
- Press " ⇨ "
- The phone will confirm by writing " STORE? " in the display
- Press [+]
- Press [ESC]

## 8. *Redial List*

The phone will store the last 10 numbers dialed.

To retrieve the last dialled number press [◐/P] in IDLE STATE. If some digits have been entered beforehand, [◐/P] key will insert a dial pause. To access the redial number in this case, press [ESC] and then press the [◐/P] key.

The display will now show the last dialled number or name if a name is attached.

To redial this number lift the handset or press [🔈] .

To select among the last 10 dialled numbers use the [▲] / [▼] keys.

Dial the number by pressing [🔈] or lift off the handset.

Return to IDLE STATE by pressing [ESC] .

# SECTION E CALLER ID OPERATION

## 1. Caller ID (CID) and Message Waiting Indication (MWI)

In order to display ***CID*** information the telephone network operator must send this information to your phone – and this is usually a subscription based service for which a monthly or quarterly fee has to be paid.

***MWI*** is a subscription based voice mail service from the network operator.

The amount of ***CID*** and ***MWI*** information sent vary a lot depending on operator, country, central type, etc.

To the extent that this information is available, the phone is able to capture and display the following ***CID*** and ***MWI*** information:

***On-hook FSK/DTMF based CID & MWI:***

- Date and time of the call❶
- Calling party number❷or reason for absence of calling party number❸
- Indicator for MWI❹

***On-hook DTMF based CID:***

- Date and time of the call❺
- Calling party number❷or reason for absence❸

***Notes:***

❶ If not sent by the network operator the phone's date and time will be used
❷ Maximum 16 digits
❸ See below
❹ Turn on when received a message waiting
❺ The phone's date and time will be used

***CID*** and ***MWI*** information is retrieved automatically at the start of an incoming call. If the phone is in IDLE STATE the information is then displayed for 60 seconds. In other states, for instance when the alarm system is armed the ***CID*** information is still retrieved but the system has to be disarmed and actively recalled.

In some cases, the calling party number cannot be displayed. The phone can display two different messages as reasons for absence:

"**UNAVAILABLE"** meaning the number cannot be displayed for various reasons e.g. the call is diverted or international or for some other network specific reason.

"**PRIVATE"** meaning the calling number display is restricted deliberately by the calling party.



## 2. Message Waiting Indicator

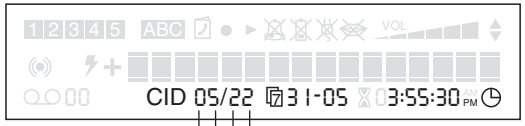
The LED marked "✉" next to the [✉] key will flash whenever new ***CID*** messages have been received or whenever there are new voice messages waiting on the network.

## 3. CID Features

The phone Caller ID (***CID***) will store 50 incoming calling numbers.

The ***CID*** memory is using a First-in-First-Out storage mechanism meaning that when the ***CID*** memory is full the oldest ***CID*** will be deleted in favour of the most recent one.

The display will show ***CID*** XX/YY in the lower middle section which should be interpreted as XX new CID's and YY in total.




***REMARK:*** The ***CID*** 's are deleted in case of a power failure. The main reason for using the backup batteries is for preserving the ***CID*** 's in case of mains power failure.

## 4. View CID's

The ***CID*** list is viewed by pressing the " CID " key in IDLE STATE. The display will now show ***CID*** " 05/22 " where " 05 " indicates that the first (newest) ***CID*** is being displayed and " 22 " is the total number of ***CID*** 's currently in memory.

The ***CIDs*** are viewed by pressing [▲] / [▼] key to move FORWARD and BACKWARD in the ***CID*** list. The date and time information in the display will show the date and time of reception of the ***CID*** currently displayed. Observe that if the date and time information is not received as a part of the ***CID*** message from the network operator the phone's date and time will be used.

If a ***CID*** number is matching a phonebook number the attached phonebook name will be displayed instead of the number. The name will only be displayed if there is an exact phonebook match. Therefore, do not program any prefix as a part of the phonebook number. Use the phone dial prefix feature instead.

When leaving the ***CID*** recall mode e.g. by pressing [ESC] or automatically after 60 seconds of keypad inactivity the new ***CID*** number in the display will reset to " 00 ".

## 5. Calling Back a Number in CID Memory

To call back a number:

- Press the " CID " key
- Find the entry by using [▲] / [▼] keys
- Press [🔈] or lift the handset.

***Remark:*** If the dial prefix is permanently switched on the prefix will be dialled before the ***CID*** number.

### 6. *Deleting a Number in the CID Memory*

To delete a single number:

- Press the " CID " key
- Find the entry by using [▲] / [▼] keys
- Press " ⌫ " key and the ***CID*** will be deleted instantly.

### 7. *Deleting all Numbers in CID Memory*

To delete all numbers at a time:

- Press the " CID " key
- Press [#] once.
- " DELETE ALL? " is shown on display
- Press [#] again to delete all records

### 8. *Transferring a CID entry to the phonebook*

To transfer a ***CID*** entry to the phonebook:

- Press the " CID " key
- Find the entry that should be transferred to the phonebook by using [▲] / [▼] keys
- Press " ⇨ " – the number is now transferred to IDLE STATE
- Press " ABC "
- Insert a name by using [1] ..... [9 WXYZ] keys
- Press " ⇨ "
- Press " 🕮 "
- The phone will confirm by writing " STORED! " in the display.
- Press [ESC]

### 9. *Error Indicators*

The phone supervises the mains power supply and the battery voltage. If either one fails, there will be an indication in the top line of the display.

A " 🪫 " sign shown indicates that the battery voltage is too low to maintain proper operation in case of mains power failure.

A " 🔌 " sign shown indicates that there is a mains power failure.



# *SECTION F* *ALARM OPERATION*

Before starting to use the alarm system there are a few things to setup:

- The 4-digit PIN code used for disarming the system.
- The outgoing alarm voice message should be recorded.
- The list of numbers to dial in case of an alarm.
- Whether or not the siren should sound in case of an alarm condition.
- Whether or not it should be allowed to arm the system from remote.
- Whether or not a power failure should trigger an alarm call.
- Matching the sensor code with the alarm phone's code.

For an explanation of the set up process, please refer to ***Section G***.

### 1. *PART ARM and FULL ARM Mode of Operation*

***PART ARM mode –***

When you are at home and want to protect entry points to your premises. In this mode only dedicated PART ARM sensors will be active.

***FULL ARM mode –***

When you leave the premises unattended. In this mode all sensors will be active.

### 2. *Alarm Triggers*

The alarm phone will accept RF input from the following wireless sensor types, which might trigger an alarm depending on the current operation mode of the unit.

- Smoke detector
- Panic button
- PIR sensor
- Door/window sensor
- Repeater
- 4-button remote control
- Pendant
- Wireless keypad

In addition, the alarm phone will sense and respond to mains power failure conditions if enabled.

### 3. *Alarm Calls and How to Deactivate from Remote?*

An alarm call will always progress in the following manner, independent of alarm type:

- Call to first dial list number
- Fixed voice message
- User voice message replayed 1st time
- Fixed voice message
- User voice message replayed 2nd time
- Fixed voice message
- User voice message replayed 3rd time
- End of call

The above sequence is repeated for each dial list number. The dial list is repeated 3 times. If enabled, the internal siren will start immediately after alarm triggering and go on for approximately 3 minutes.

The fixed alarm messages are played before the user recorded message to state what kind of alarm has triggered the call. There are 4 different fixed messages that the receiver of the alarm call will hear depending on which sensor triggered the alarm.

- Panic alarm
- Fire alarm
- Intruder alarm
- Power failure alarm

During message replay, the called party can enter the disabling code " # ". The system will not rearm itself automatically but the system can be rearmed remotely (if enabled) by making a phone call to the alarm phone and wait for 30 seconds. After a series of beeps, the caller should input the enabling code " # ". As an acknowledgement the caller will hear another sequence of beeps and the system will terminate the call and arm itself in FULL ARM mode. If no enabling code is received, the alarm phone will automatically terminate the call after 10 seconds.

The unit cannot rearm itself in any way but it is possible to actively rearm the system from remote. Refer to ***Section F***, point ***17***.

## 4. *Remote Control*

A 4-button remote control with panic, part arm, full arm and full disarm buttons can be used. When arming (part of full arm), the main unit will beep once through the internal speaker. When disarming, the main unit will beep twice. An unlimited number of remote controls may be used.

Pressing the remote control panic button will initiate a PANIC alarm call regardless if the system is armed or not. When any kind of programming or configuration change is taking place, alarm calls of any kind will not be initiated. This could for instance be when selecting store location in a telephone number programming sequence or when the user is in the setup area.

## 5. *PART ARM Operation*

The intention behind the part arm mode of operation is that the user is at home and basically needs to know if somebody enters the premises while he/she is at home. In addition the 24H alarms, PANIC switches, tamper switches and smoke detectors will be active in part arm mode of operation as well.

## 6. *PART ARM Activation*

The PART ARM operation can be activated in either of the following two ways:

1. By pressing "  " on the 4-button remote control.
2. By pressing "  " on the alarm phone base unit.

A siren symbol "  " will be lit in the left-hand side of the alarm phone display to indicate that the system is part armed.

## 7. *Telephone Operation in PART ARM Mode*

The alarm phone can still be used in PART ARM mode of operation but if the alarm phone is in use (Off Hook) or if the user is in the SETUP area, alarms will not be responded.

## 8. *Sensor Behaviour in PART ARM Mode*

In PART ARM mode, the entry delay will always be active in order to prevent the alarm phone from dialling if accidently triggered. The alarm phone will alert of activation by 5 rapid beeps.

Setting of DIP switch number "**9**" in both the magnetic door/window sensor and the PIR sensors will determine whether or not a particular sensor will be active in PART ARM mode or not.

Setting DIP switch number "**9**" in position **ON** will make the sensor active in PART ARM mode.

## 9. *Disarming the PART ARM Mode*

To disarm the unit and return to idle mode can be done in two ways:

1. By pressing "  " on the 4-button remote control.
2. By pressing "  " on the alarm phone base unit, the unit will acknowledge by beeping twice.

## 10. *Switching from PART ARM to FULL ARM Operation*

Pressing "  " on the alarm phone base unit or by pressing "  " on the 4-button remote control will instantly disable the PART ARM mode and initiate a FULL ARM procedure commencing with a beep and the exit delay timer starts counting down.

## 11. *Switching from FULL ARM to PART ARM Operation*

The only way to go from FULL ARM to PART ARM mode of operation is to first disarm the system and then rearm it in PART ARM mode as described above.

## 12. *Entry/Exit Delay in PART ARM Mode of Operation*

When part arming the system, there will be no exit delay i.e. the system is armed instantly. When going from PART ARM to FULL ARM mode, the exit delay will be reactivated and the exit delay counter will start decrement.

## 13. *FULL ARM Operation*

All sensor units will be active as well as power failure alarm activation.

## 14. *Power Failure Alarm Triggering*

A power failure alarm call will commence when you disconnect the adaptor jack from the alarm phone unit, or disconnect the power from the wall socket with the adaptor still connecting to the alarm phone unit durating 4 minutes.

If the adaptor power becomes available again during the activation delay, the activation timer is halted and a new power failure activation delay is needed to trigger the power failure alarm. If the power failure condition was present before the system was armed, the power failure alarm will not trigger – only when the power failure is detected after the system was armed.

## 15. *Power Failure in PART ARM Mode of Operation*

In PART ARM mode, the power failure alarm will not activate an alarm call.

## 16. *PANIC Button on the Alarm Phone Unit*

Pressing "  " on the alarm phone unit will trigger a panic alarm call.

### 17. *Remote Arming the Alarm System*

The alarm system can be switched on remotely by calling the alarm phone. However, it requires that remote arming is switched on in the alarm phone configuration setup.

1. Call the alarm phone.
2. Wait for around 30 seconds to elapse.
3. After around 30 seconds, the alarm phone will respond by emitting 8 short beeps.
4. After the beeps, press [#] on the remote telephone, the alarm phone will emit another 8 short beeps as a confirmation and the call will be terminated.

The alarm phone will open the line for approximately 10 seconds for remote activation.

### 18. *Siren*

The siren will sound as the FAST ring tone at the highest level and will sound for approximately 3 minutes after detection of an alarm.

The siren will stress the intruder as he will be aware that some alarm system has been triggered and somebody might be coming shortly. It can also be an audible warning to the daily user that the alarm system was falsely triggered or when the alarm system is being used when at home e.g. during the night time.

### 19. *When an Alarm has been Triggered*

When returning to the premises after an alarm call, the alarm phone will display an lightning icon " ϟ " to indicate to you that the alarm was triggered and the date and clock will be frozen at the time of the alarm triggering. To clear this indication, you must press [ESC] once.



# SECTION G *CONFIGURATION*

### 1. *Entering the Configuration Area*

Pressing " →• " will prompt for a 4-digit PIN code to enter the phone setup menu. The PIN code is factory preset to "0000" (four zeroes) but is user-changeable. Once entered various configuration options are available.

### 2. *Guidelines for Navigating the Setup Menu*

Pressing [→] key will move on to the next setup menu item.

Pressing [▲] / [▼] will change increment/decrement a particular setting.

Pressing [ESC] or inactivity for 60 seconds (no keys pressed meanwhile) will leave the setup menu.

Once a setup parameter is changed, the change will be in immediate effect. It is not possible to go backwards in the menu. If correction is needed, press [→] key continuously until the desired parameter is shown in the display.

There is a menu "**RESERVED**" after the menu "**SENSOR TEST**". This menu is reserved for alarm monitoring centre's usage and if you are subscribing to the service, please refer to your service provider for detailed operation.

### 3. *Setting Date/Time*

Setting date and time is always done in 24H mode nevertheless the 12H display option might be selected.

- Press " →• "
- Enter the PIN code
- Press " →• " once more
- Set year by using [▲] / [▼] keys
- Press [→]
- Set month by using [▲] / [▼] keys
- Press [→]
- Set day by using [▲] / [▼] keys
- Press [→]
- Set hour by using [▲] / [▼] keys
- Press [→]
- Set minute by using [▲] / [▼] keys
- Press [→]
- Select 24H or 12H time display using [▲] / [▼] keys
- Press [→] – the second is cleared from the moment [→] is pressed
- Press [ESC]

### 4. *Setting Ringing Volume Level*

To set the ringing volume level:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **RINGLEVEL** "
- Use [▲] / [▼] keys to select the ringing volume
- Press [ESC]

### 5. *Setting the Ringing Type*

To set the ringing type:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **RINGTYPE** "
- Use [▲] / [▼] keys to select the ringing type
- Press [ESC]

### 6. *Switching ON/OFF Permanent Use of Dial Prefix*

To switch On/Off permanent use of the dial prefix:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **PREFIX** "
- Use [▲] / [▼] keys to switch On/Off permanent use of dial prefix
- Press [ESC]

It is still possible to use the dial prefix even if it is permanently switched off. Pressing the [+] key before dialling will switch on, but for this call only.

The opposite is also possible if the dial prefix is permanently switched on. Pressing the [+] key before dialling will switch it off, but for this call only.

### 7. *Switching ON/OFF the Siren*

To switch On/Off the siren:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **SIREN:** "
- Use [▲] / [▼] keys to switch On/Off the use of the siren
- Press [ESC]

It is recommended to switch on the siren in order to alert yourself or to warn the burglar whenever there is an alarm triggered.



### 8. *Enabling /Disabling Remote Arming of the Alarm System*

To enable/disable remote arming of the alarm system:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **REMOTE ARM** "
- Use [▲] / [▼] keys to enable/disable respectively
- Press [ESC]

### 9. *Setting the Entry/Exit Delay*

To set the entry/exit delay:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **ENTRY/EXIT** "
- Use [▲] / [▼] keys to set the entry/exit delay; the entry/exit delay is ranging from 5 to 90 seconds.
- Press [ESC]

### 10. *Recording the Alarm Voice Message*

The phone can record a 10 seconds user message that will be replayed to the receiver of the call 3 times for each alarm call.

It is recommended to use the full 10 seconds of recording time. Otherwise, there will be too long silent periods between two alarm messages that might cause the receiver of the call to hang up without actually hearing the message.

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **RECORD/PLAY MSG.** "
- Lift the handset and be ready
- Press " ◈ " key and start speaking for 10 seconds
- Press " ⌫ " to hear what has been recorded
- Press [ESC]

The record/playback of the alarm message cannot be interrupted by user intervention once activated. The full 10 seconds will be recorded or replayed before the phone can do any other operation.

In the voice message, it is recommended to state the reason for the call with your full name and address. An example could be:

"Alarm call from John Smith, Security Road 45, West London.
Please acknowledge the call, and drive to the premises immediately."

## 11. Change the Fixed Messages

- Go to the " **RECORD/PLAY** " message menu
- Press key [1] to record the panic message
- Press key [2 ABC] to record the fire message
- Press key [3 DEF] to record the intruder message
- Press key [4 GHI] to record the power failure message
- The display will show whatever fixed message will be recorded
- Once you have chosen the one to record, lift the receiver and be ready
- Recording starts when you press the hash key [#] and it will automatically be replayed for verification after the recording has ended.

## 12. Setting the PIN Code

To set the PIN code:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **PIN CODE** "
- Enter a 4-digit PIN code. If there is already a PIN code, delete it first by pressing the " ⌫ " key 4 times.
- Press [ESC]

***Remark:*** **DO NOT FORGET THE PIN CODE** if you change it. There is no way the PIN code can be retrieved from the system or reset other than by returning the unit to the service centre which is both costly and time consuming.

## 13. Setting the Dial List

The dial list contains the numbers to be dialled in case of an alarm. There can be maximum 4 numbers on the dial list and each number will be dialled 3 times.

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **SET DIAL-LIST** "
- Use [▲] / [▼] keys to display the dial list entries
- Input or alter a number on the dial list using [1] ... [9 WXYZ] , [*] , [#] , [●/P] and " ⌫ " keys
- Proceed with the next dial list entry or press [ESC] to complete

***Remark:*** The phone dial prefix is not active when dialling the dial list numbers. This means that the prefix must be a part of the dial list number.

Each number on the dial list will be dialled 3 times if not stopped by the PIN code on the phone or the remote code on the receiving telephone.

Example : Assuming that dial list entry 1 contains the number 1234 and the dial list entry 2 contains the number 5678.
Dial list entries 3, 4, are empty.

Once an alarm occurs the number 1234 will be dialled first, replaying the alarm voice message 3 times. Then the number 5678 will be dialled and then the number 1234 will be dialled again etc. until both numbers have been dialled 3 times each.

When disarmed from the remote, the alarm system will immediately go back to IDLE STATE.

Refer to ***Section F***, point ***17*** for an explanation of how to rearm the system remotely.

## 14. Set Caller ID Type

To set the caller ID type:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **CID TYPE** "
- Use [▲] / [▼] keys to set the ***CID*** type
- Press [ESC]

The caller ID type is depending on the network operator and the country. Unless otherwise stated in the table in ***Section G***, point ***20***, always set the ***CID*** type to " 02 " which is the most generic setting usable for most countries.

## 15. Set Flash Time

The flash time is a country specific setting. Please refer to the table in ***Section G***, point ***20***, to see what flash time setting is used in different countries. The flash time should not be altered unless dialling through a PABX requiring another flash time setting. Most modern PABXs require 100ms flash time. Some network providers also use flash for getting access to specific network services.

The flash time is set in the following way:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **FLASH TIME** "
- Use [▲] / [▼] keys to set the flash time
- Press [ESC]

The flash time can be set between 100ms to 600ms in steps of 100ms. Most new PABXs use 100ms flash time.

## 16. Set LCD contrast

The LCD contrast perception is varying depending on the light sources and the temperature and the perception of which LCD contrast level is highly individual.

Change the LCD contrast level in the following way:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **LCD CONTRAST** "
- Use [▲] / [▼] keys to change the LCD contrast level.
- Press [ESC]

Since some LCD contrast levels are nearly invisible, the phone will return to a factory preset LCD contrast level when powered on again.

## 17. Switching ON/OFF Power Failure Alarm

To switch on/off triggering of power failure alarms:

- Press " →● "
- Enter the PIN code
- Press [→] until reaching the menu " **POWER FAIL:** "
- Press ON/OFF to switch the power failure alarm detection
- Press [ESC]

## 18. *Setting the Sensor Code*

The sensor code (S-code) in the alarm phone must match the DIP switch setting in the sensors. Otherwise, the sensors cannot trigger the alarm.

– Press " →● "
– Enter the PIN code
– Press [→] until reaching the menu " **S-CODE:** "
– Press numeric keys [1]...[8 TUV] to switch the sensor code between 0 (OFF) and 1 (ON)
– Press [ESC]

***Example :*** The sensor DIP switches 1-3 are set in ON position and the sensor DIP switches 4-8 are set in OFF position. The corresponding code in the alarm phone will be: "**S-CODE:11100000**". It is recommended not to use the "**00000000**" = All OFF sensor code.

## 19. *Sensor Test*

The sensor test mode is used to verify that the sensor code is matching and that the sensors are within range of the alarm phone. Each time a correctly installed sensor is triggered the alarm phone will sound a beep. Alarms will not be triggered in this special test mode and the alarm phone will stay in this mode until [ESC] is pressed.

– Press " →● "
– Enter the PIN code
– Press [→] until reaching the menu " **SENSOR TEST** "
– Trigger the sensors
– Press [ESC]

### Reservation

There is a menu " **RESERVED** " after the menu " **SENSOR TEST** ". This menu is reserved for alarm monitoring centre's usage and if you are subscribing to the service, please refer to your service provider for detailed operation.

## 20. *Country Specific Setting*

The table below states which CID type setting and flash time setting should be used in different countries:

| *Country* | *CID Type* | *Flash Setting* |
|---|---|---|
| Austria | FSK | 100 |
| Belgium | FSK | 100 |
| Denmark | DTMF | 100 |
| Finland | DTMF | 100 |
| France | FSK | 300 |
| Germany | FSK | 300 |
| Italy | FSK | 100 |
| Netherlands | DTMF | 100 |
| Norway | FSK | 100 |
| Spain | FSK | 100 |
| Sweden | DTMF | 100 |
| United Kingdom | FSK | 100 |

For country with using ***CID*** Type: DTMF, please select ***CID*** type to 02.
For country with using ***CID*** Type: FSK, please select ***CID*** type to 00 or 01.
Fcr use in Australia, please select ***CID*** type to 03.



# SECTION H *SENSOR INSTALLATION AND OPERATION*

An unlimited number of sensors can be connected to the alarm phone system, except for the repeater of which **ONLY ONE** can be connected.

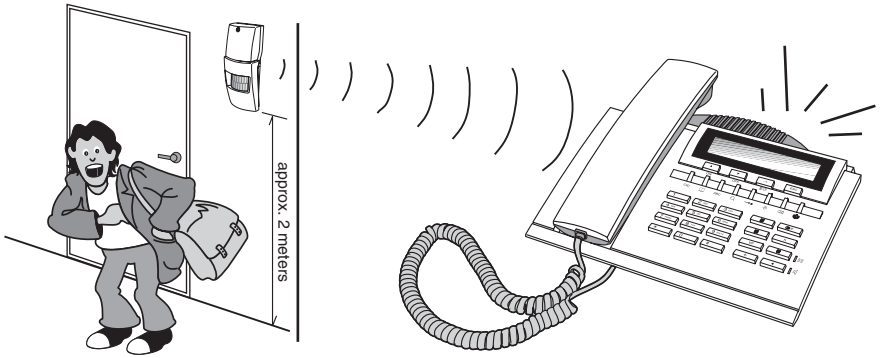
The following sensors may have already included in the gift box depending on your purchased package from your local distributor. Or, it can be purchased separately from your distributor.

- Passive infrared sensor
- Magnetic door/window sensor
- Panic button
- Pendant
- 4-button remote control
- Smoke detector
- Repeater
- Wireless keypad
- Wireless external siren/strobe

## 1. *WIRELESS PASSIVE INFRARED SENSORS*

PIR sensors are designed to detect movement within a protected area. The sensor element detects differences in the infrared radiation when a person moves within the protected area. If movement is detected, a radio signal is transmitted to the alarm phone base unit to activate the alarm (if it is armed).

The recommended position for a PIR sensor is in the corner of a room mounted 2 meters above the floor level.



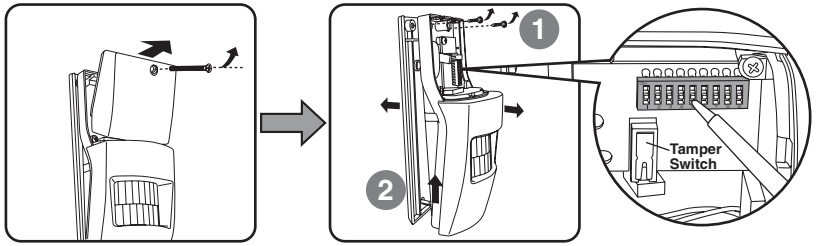

Before selecting a position for a PIR sensor, the following points should be noted:

1. Do not position the sensor facing a window or direct sunlight, PIR sensors are not suitable for use in conservatories.
2. Do not position the sensor facing any source of heat, e.g. fire, radiators, boilers etc.
3. Do not position the sensor facing any source of white light, e.g. fluorescent lighting.
4. Keep pets out of areas protected by PIR sensors.
5. Where possible, mount the sensor such that the logical path of an intruder would cut across the fan pattern rather than directly towards the sensor.
6. Do not face the sensor towards large metal objects or mirrors.

### *SETTING THE WIRELESS PIR SENSOR*

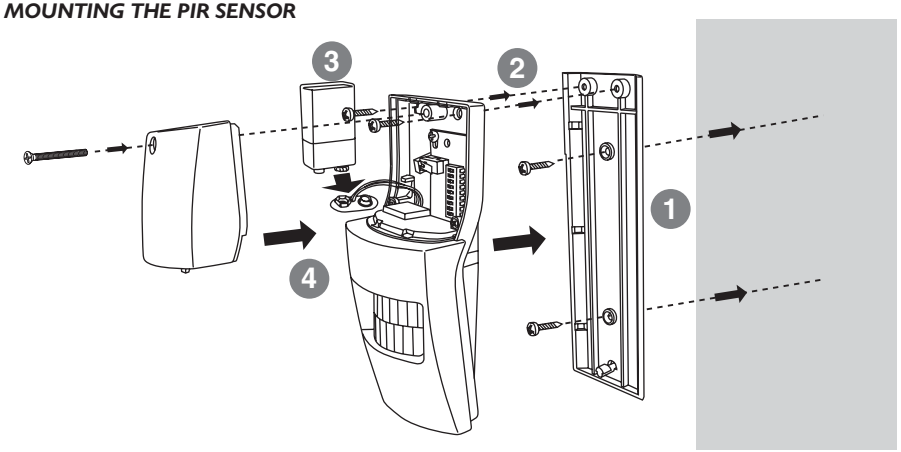
Any number of PIR sensors can be used within your system, providing they are all coded with the same sensor code and provided that they are within radio range of the alarm phone.
To set the PIR sensors, proceed as follows.

1. Undo the battery cover fixing screw and take off the battery cover.
2. If necessary, use a small screwdriver to insert in one of the slots on the top of the sensor, to prise off the battery cover.
3. Using a ballpoint pen set the DIP switches 1 to 8 inclusive to the predetermined sensor code.




4. Setting the 9th DIP switch to ON position will make the PIR sensor operating under PART ARM mode.
5. Insert a fresh 9V alkaline battery to the battery terminals.
6. With the battery cover off, hold the sensor at the proposed installation position and activate the anti tamper switch. Providing the proposed location is within radio range of the alarm phone, a panic alarm will be set off immediately. Disarm the alarm right away.
7. Leave the battery cover off, ***remove the battery*** and proceed to mount the sensor as described below.

### *MOUNTING THE PIR SENSOR*



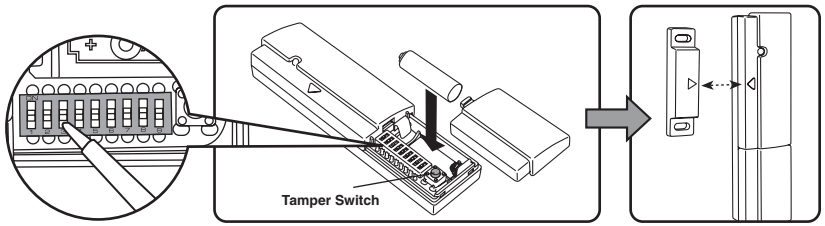

**Remark!** The sensor mounting position is with the battery compartment upwards.
The recommended position for a PIR sensor is in the corner of a room mounted 1.8-2 metres from the floor level. The range of the sensor is 10 metres in a horizontal angle of 110 degree.
***IMPORTANT:***
When the PIR sensor is fully installed i.e. the battery cover is refitted the PIR sensor will be idle for approximately 30 seconds after each detection of moving objects, in order to conserve the batteries.



## 2. *MAGNETIC DOOR/WINDOW SENSOR*

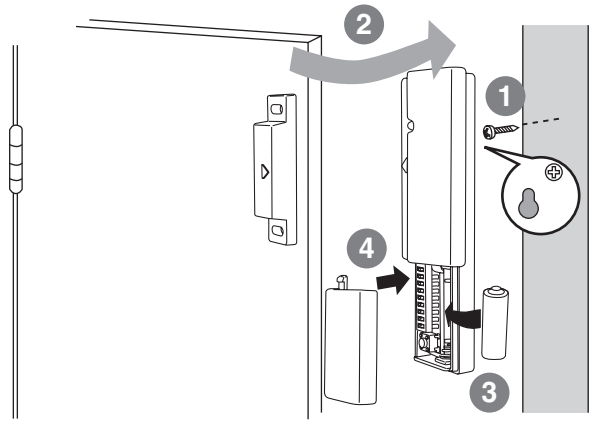
Any number of magnetic door/window sensors can be used with the alarm phone, providing they are all coded with the same sensor code. Magnetic door/window sensors can be fitted to guard doors or windows, as required. To set the sensor code and fit the battery proceed as follows:

1. Remove the battery cover by sliding it downwards (***Do NOT use a screwdriver***).
2. Insert the 12V alkaline battery in proper polarity "+/–" as marked inside the battery compartment.
3. Set the DIP switches 1 to 8 inclusive according to the predetermined sensor code using a ballpoint pen.




4. Setting the 9th DIP switch to ON position will make the magnetic sensors operating under PART ARM mode.
5. Leave the battery cover off, hold the magnetic door/window sensor at the correct position on the door (with arrows pointing towards each other). Then press and release the tamper switch. Providing that the sensor is placed within the radio range of the alarm phone base unit, a panic alarm will go off immediately.
6. ***Remove the battery***, then using double sided tape and screws provided in the mounting kit, mount the magnet to the door and the sensor to the door facing as shown in the figure below (or vice versa if required). Be careful not to over tighten the screws. Ensure that the arrows on the magnet and the magnetic sensor are pointing to each other and that the gap between sensor and magnet is less than 5 mm.
7. Close the door and refit the battery and the battery cover to the sensor.

### *MOUNTING THE MAGNETIC SENSOR*

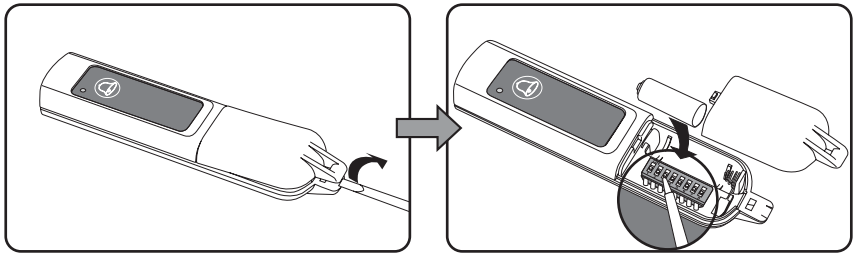


## 3. PANIC BUTTON

Any number of panic switches can be used with the alarm phone, providing they are all coded with the same sensor code. The panic switches should be carried by you or placed in strategic positions where they can easily be reached in a panic situation.

To set the sensor code and install the battery proceed as follows:

1. Remove the battery cover by pushing a screwdriver into the key-ring holder as shown on the figure below.
2. Insert the 12V alkaline battery in proper polarity "+/–" as marked inside the battery compartment.
3. Set the right sensor code on the 8 DIP switches using a ballpoint pen.
4. Replace the battery cover and press the panic button. An alarm should go off immediately.
5. Test the panic switch in different locations in your house to locate the potential areas where the radio coverage is not good.



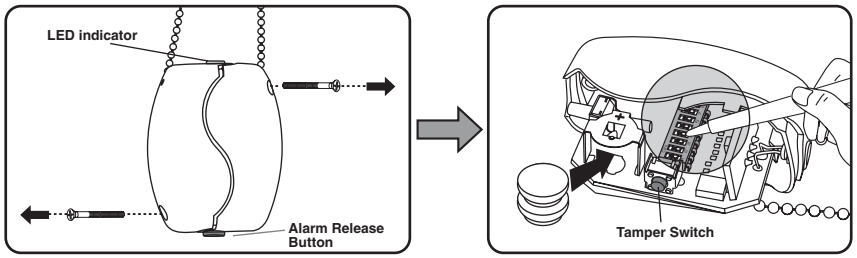
## 4. PENDANT

The pendant is a unique professional medical aid which can either be hung around the neck as a pendant, or be attached to a wall. It provides 24-hour protection for elderly people or the disabled.

### *INSTALLATION*

1. Use a screw driver to loosen the screws on both sides of the pendant, and open the case.
2. Insert 2 x 1.5V batteries type LR44 and make sure that the battery connectors are correctly connected.
3. LED indicator status: press the alarm release button at the bottom of the pendant. The battery charge is indicated by the LED as follows:

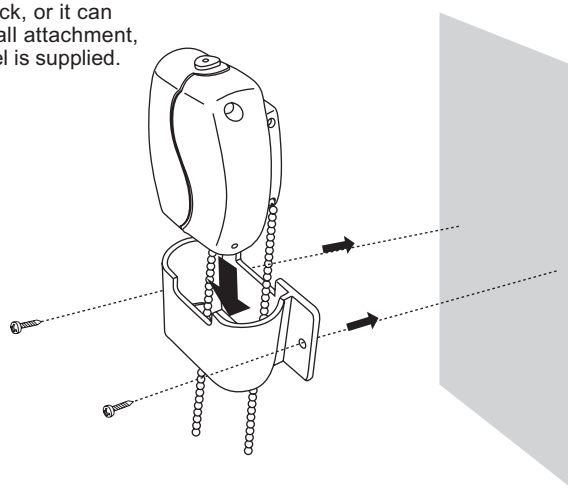
| | |
|---|---|
| LED lights up | Battery is good |
| LED lights up and flashes 3 times | Battery is low |
| LED does not light up | Battery is dead |






### *SETTING A SENSOR CODE*

- The DIP switch settings must match with the alarm phone unit.
  ***Caution: DO NOT set all switches to only either "ON" or "OFF" position.***
- After the DIP switches are set successfully, close the cases with screws. This device should then be tested according to the instructions in the OPERATION as follows.
- It can be worn around your neck, or it can be attached to the wall. For wall attachment, a holder plus a fluorescent label is supplied.



### *OPERATION*

- ***Activating an emergency signal***

  It is advisable to wear the pendant around the neck. In case of an emergency, press both halves together and hold it for minimum 3 seconds. The LED will light up. This indicates that a code is transmitted to the alarm phone.

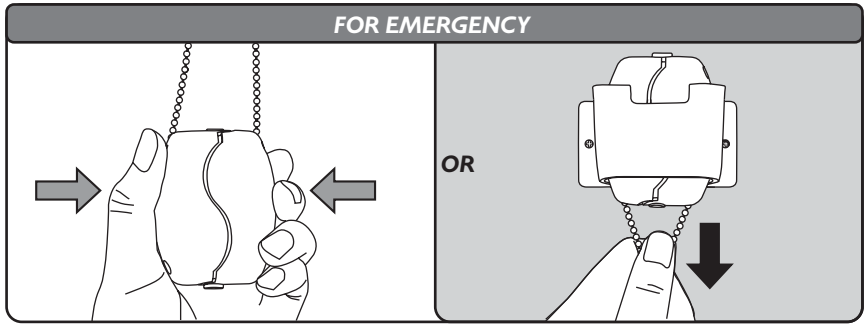
  If it is attached on the wall and an emergency occurs, pull down the chain (the LED will light up) to send a signal to the alarm phone.

  During an emergency, it will send an emergency signal 3 times every 5 seconds.

- ***Deactivating an emergency signal***

  Use a ball point pen to press the rubber button at the bottom of the pendant. The LED will then light up.

- ***Low battery indicator***
  – Without pressing any button, the LED flashes continuously 3 times every minute.
  – While deactivating an emergency signal, the LED is lit for a while and then flashes 3 times.



## 5. 4-BUTTON REMOTE CONTROL

It is recommended to carry the 4-button remote control with you as a key chain.
The remote control has 4 function buttons.

***Panic Button***
- Pressing " " will initiate an instant signal to the alarm phone and the alarm phone will receive the signal as a panic alarm type.

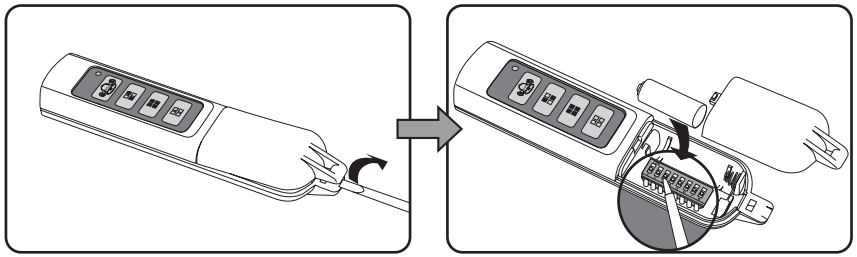
***Part Alarm Button***
- Pressing " " will arm the alarm phone and make it in PART ARM mode.

***Full Alarm Button***
- Pressing " " will arm the alarm phone and make it in FULL ARM mode.

***Disarm Button***
- Pressing " " will disarm the alarm phone.

To set the sensor-code and install the battery proceed as follows:

1. Remove the battery cover by pushing a screwdriver into the key-ring holder as shown on the figure below.
2. Insert the 12V alkaline battery in proper polarity "+/–" as marked inside the battery compartment.
3. Set the right sensor code on the 8 DIP switches using a ballpoint pen.
4. Replace the battery cover and press the 4-button remote control. An alarm should go off immediately.
5. Test the 4-button remote control in different locations in your house to locate the potential areas where the radio coverage is not good.



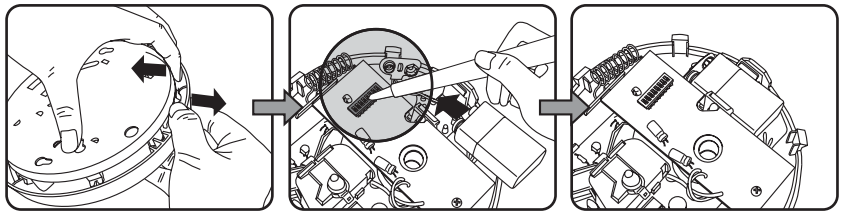


## 6. SMOKE DETECTOR

Any number of smoke sensors can be used with the alarm phone, providing they are all coded with the same sensor code. The smoke detectors should be placed where smoke can be expected in a fire situation.

To set the sensor code and install the battery proceed as follows:-

1. Open the sensor carefully by pulling apart the top and bottom parts.
2. Locate the DIP switches and use a ball point pen to set the sensor code.
3. Fit the 9V alkaline battery to the battery terminals and place the battery in the battery fixing clip.



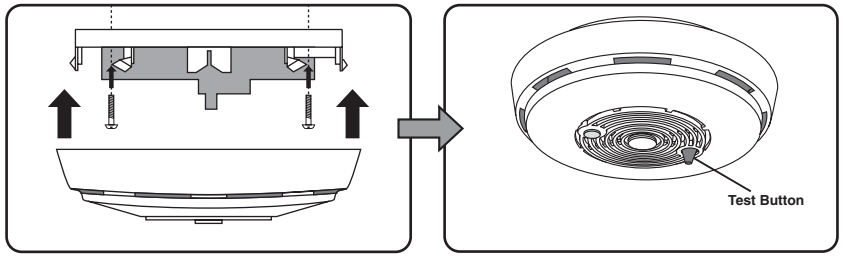
4. With the battery cover off, hold the sensor at the proposed installation position and activate the test switch on the smoke sensor. Within a few seconds the smoke sensor will produce a howling sound and providing the proposed location is within radio range of the alarm phone base unit, an alarm will be set off immediately. Disarm the alarm right away.
5. Hold the base part of the smoke sensor in position on the ceiling and mark the two mounting holes.
6. Drill two holes and insert the plastic wall plugs supplied.
7. Screw the base part to the wall/ceiling using the supplied screws.
8. Close the sensor by pressing the grill towards the base part.

Re-test the smoke alarm by pressing the test button. The alarm is activated immediately and the smoke sensor will keep howling as long as the test button is pressed. Make another test where you apply smoke to the detector.

The smoke detector must be vacuum cleaned occasionally in order to preserve its smoke detection capability. Vacuum clean only when the top part is on the smoke detector.

When running out of battery, the smoke sensor will start beeping. In this situation, replace the battery immediately.

***MOUNTING THE SMOKE DETECTOR***



## 7. REPEATER

The repeater is the device that enforces the signal from a sensor in order that it can reach the alarm phone. The repeater is an optional accessory that is recommended for large houses. Only 1 piece repeater can be used for the whole alarm system.

***Caution:***

Avoid fixing the repeater near a transformer, RF emitting equipment such as TV, or a radio. Keep the antenna away from other metal objects or other electrical products.

### *Operation*

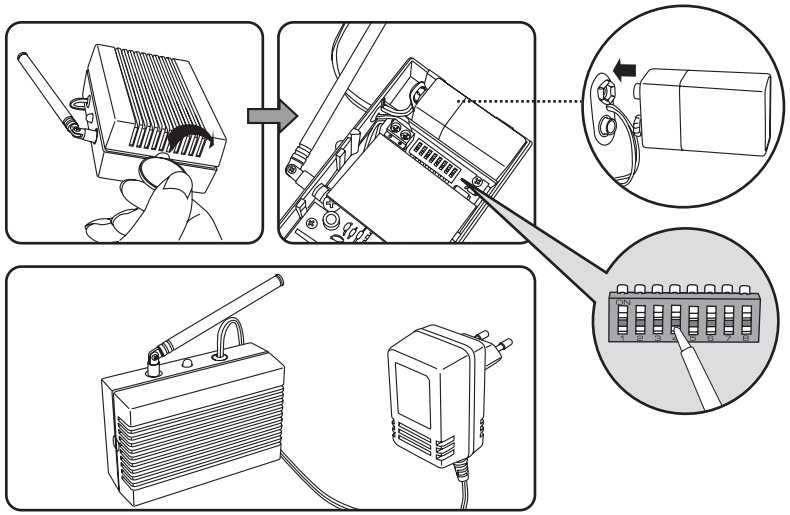
The repeater should be used with an power adaptor. When the rechargeable battery is fully charged, it will last for 10 hours in case of power failure.
When the AC power is connected, the LED will light up (the LED will not be lit when it is working on battery power only).

Set the DIP switches in accordance with the sensor code of the sensors and alarm phone unit.

### *Installation*

1. Select a location near an AC power source. Fix the repeater between the alarm phone and the sensor; so as to further extend the signals transmitted from the sensor. On connecting the unit to an AC power supply, the LED will light up, which indicates that the AC power connection is properly completely.
2. Uncover the unit with a coin.
3. Connect the power cable of the adaptor to correct terminals “+” and “–”.
   Power supply: DC 12V/100mA
4. Install a 9V rechargeable battery in the battery compartment.
5. The repeater can be placed in a hidden location. Use screws or adhesive tape to fix it to the wall.
6. Replace the cover after installation.

***NOTE:*** It is recommended to have a 9V rechargeable battery installed inside the unit at all times to avoid power failures.



## 8. WIRELESS KEYPAD

The wireless keypad is a convenient accessory compatible with the alarm phone unit. It is battery operated, designed for outdoor/indoor use with wireless connection, easy to operate and all you have to do is pressing the correct PIN code to control the alarm system.

### *New PIN Code Entering*

The PIN code should be any 4 numbers form 1-9 for operating the keypad unit. This is your **PASSWORD** and should be memorised.

Please follow the following procedures to re-enter your own PIN code:

- Press “ ▪▫ ”.
- Enter the original factory defaulted code “ 1234 ”.
- Press “ ▪▫ ”.
- Enter the new PIN code.
- Press “ ▪▫ ”, the red LED will then flash 5 times to indicate that the new PIN code has been entered completely.

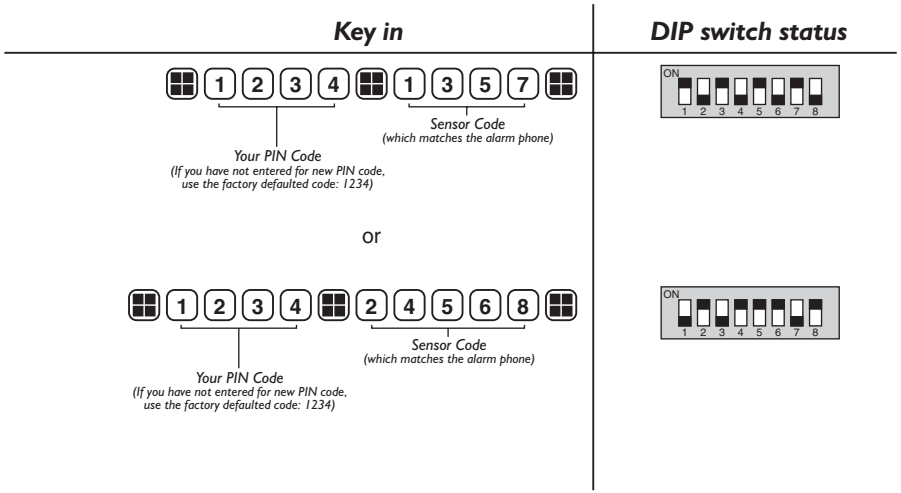
### *Sensor Code Setting*

The sensor code should be set matching with the alarm phone.

Follow the following steps to enter:

- Press “ ▪▪ ”.
- Enter your PIN code.
- Press “ ▪▪ ”.
- Press related numbers from 1-9 for entering the sensor code.
- Press “ ▪▪ ”, the red LED will then flash 5 times to indicate that the sensor code has been entered completely.

For example:



*Operation*

1. ***FULL ARM mode***

   The alarm phone will be in FULL ARM mode by following steps applied on the wireless keypad.
   - Press your PIN code.
   - Press " ■■ ".
   - The red LED will light up for 1 second indicating that the alarm phone is in FULL ARM mode.

2. ***PART ARM mode***

   - Press your PIN code.
   - Press " ■□ ".
   - The red LED will light up for 1 second indicating that the alarm phone is in PART ARM mode.

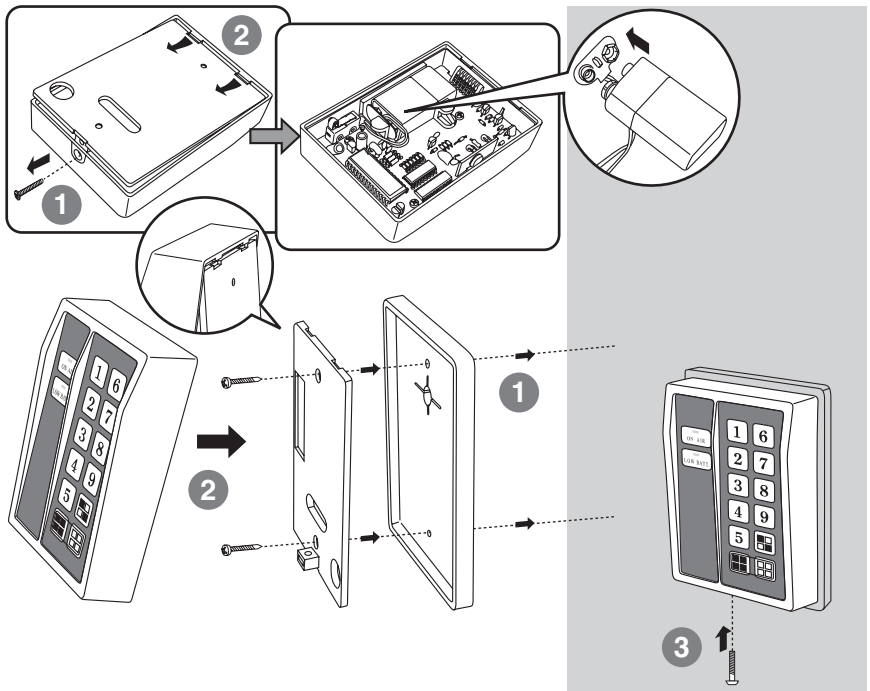
3. ***Disarming***

   - Press your PIN code
   - Press " □□ "
   - The red LED will light up for 1 second indicating that the alarm phone is disarmed.

4. ***Panic Alarm***

   - Press " ■■ " & " □□ " at the same time for over 2 seconds.
   - The red LED will light up for 1 second indicating a panic alarm is already sent to the alarm phone.

***MOUNTING THE WIRELESS KEYPAD***






## 9. *WIRELESS EXTERNAL SIREN/STROBE*

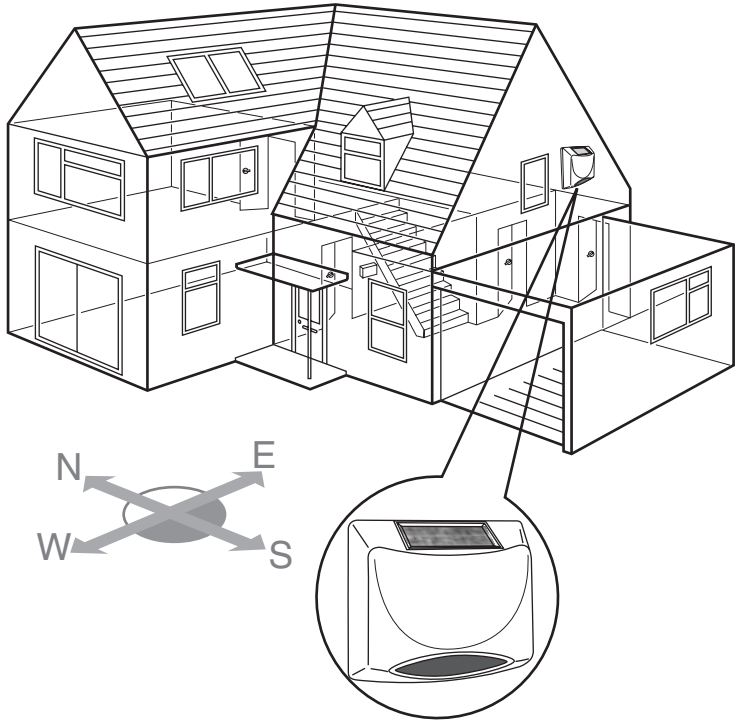
This solar wireless siren/strobe unit should be fitted to the outside of the building in a position that is clearly visible and at a height which is relatively inaccessible to an intruder.

The unit incorporates a solar panel which will maintain a charge to the 6V 1.2Ah sealed lead acid rechargeable battery during the daytime. During the night, a negligible amount of energy is released by the battery to operate the unit. This unit is self-maintable during darkness and long winter periods.

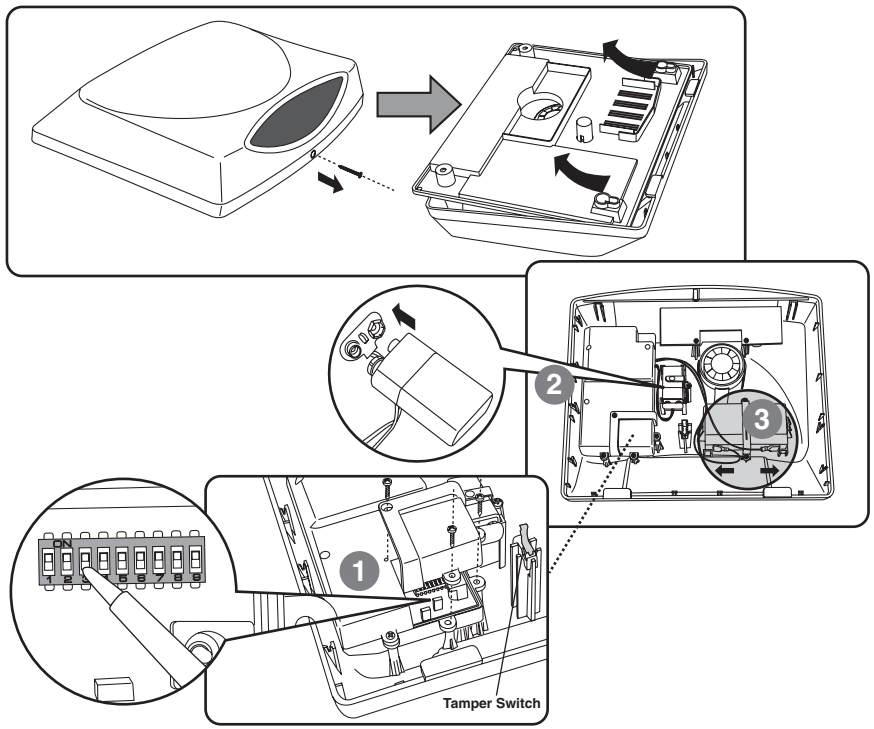
The solar wireless siren/strobe should be mounted on a south facing wall. Or, a westerly or easterly spot will suffice.

Avoid any shadows from neighboring walls, trees & roof overhangs to affect the performance of the solar panel. Remember in winter, the sun is lower in the sky and you should avoid winter shadows.

The unit should be placed in a radius of 1 meter away from any metallic objects in order to avoid the interference on signal reception.



***INSTALLATION***




***Set Siren Sensor Code***

- Undo the 3 screws holding the DIP switch cover and remove the cover to set the sensor code.
- Using a ball point pen set the DIP switches 1-8 to the same sensor code as the alarm phone.

***Set Alarm Duration***

- Set alarm duration to 1 minutes by switching DIP switch 9 to “OFF” position.
- Set alarm duration to 2 minutes 40 seconds by switching DIP switch 9 to “ON” position.

***Note:*** In alarm condition, the wireless siren/strobe will continue to sound until it is disarmed by the 4-button remote control or the alarm duration time expires.

***Initial Power-up***

Once you have completed setting your Siren Sensor Code and alarm duration time, connect the 9V PP3 initial power-up battery to the clip-on connectors.

Connect the rechargeable battery to the charging leads red to red (+) and black to black (–).

Hinge the front cover locating tabs over the top edge of the backplate, push the base of the siren cover in place and secure with the lower fixing screw.

The installation of the wireless siren/strobe is now completed.

***Note:*** Once the batteries have been connected, the unit will be operational and it is important that the solar panel receives sufficient light to maintain the battery charge. Also, the unit should not be repeatedly set into alarm as this could rapidly drain the battery.



***OPERATION***

**The wireless siren/strobe can only work under FULL ARM mode. When you are using the siren/strobe, you MUST set all sensors to FULL ARM mode; i.e. setting the 9th dip switch of all PIR sensors and magnetic door/window sensors to OFF position.**

1. Turn ON the siren/strobe

   You first have to turn on the siren/strobe by pressing and holding “ ▪▪ ” for 8 seconds on the 4-button remote control.

2. Arming the siren/strobe

   Press “ ▪▪ ” on the 4-button remote control to arm the siren/strobe and at the same time, the alarm phone system will be armed upon receiving the signal sent from the 4-button remote control.

   Once the siren/strobe receive signal from the PIR sensor, magnetic sensor or other sensors, it will sound immediately. The alarm phone will also receive the signal from the sensors at the same time and please refer to ***SECTION F*** for more details.

3. Disarming the siren/strobe

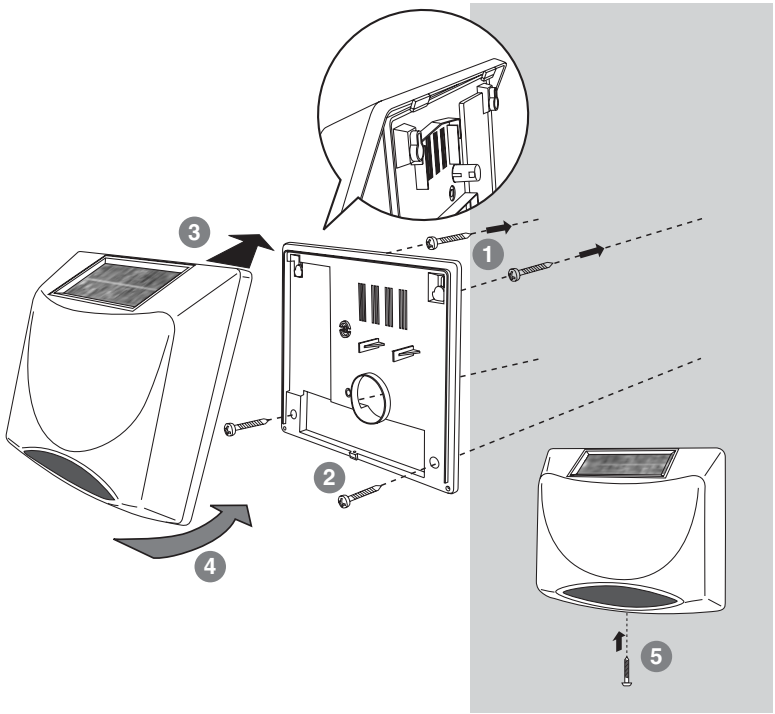
   Press“ ▫▫ ” on the 4-button remote control to disarm the siren/strobe and at the same time, the alarm phone system will be disarmed upon receiving the same signal from the 4-button remote control.

4. Turn OFF the siren/strobe

   You can turn OFF the siren/strobe by pressing and holding “ ▫▫ ” for 8 seconds on the 4-button remote control.

   You must turn off the siren/strobe when changing battery or opening the cover. Otherwise, the siren will sound once you open the cover.

***MOUNTING THE WIRELESS EXTERNAL SIREN/STROBE***



# SECTION I ADDITIONAL INFORMATION

## 1. Default Settings

Below is the factory default configuration of the phone:

| | |
|---|---|
| Ringing Volume | LOW |
| Ringing Type | FAST |
| Prefix Use | OFF |
| Siren | ON |
| Remote Arm | OFF |
| Entry/Exit Delay | 30 seconds |
| 10-sec. Voice Message | Un-recorded |
| Fixed Alarm Message | English |
| PIN Code | 0000 |
| Dial List | Empty |
| Caller ID (CID) Type | 01-Dual mode |
| Flash Time | 100ms |
| LCD Contrast | The second darkest |
| S-Code | 11111111 |
| Power Failure | OFF |

## 2. Trouble Shooting

| Problem | Reason and Solution |
|---|---|
| Sensor is not working properly. | • Wrong installation.<br>• Relocate the sensor.<br>• Reinstall sensor according to the instruction in the installation section. |
| The alarm phone is stuck or showing strange things in the LCD. | • Probably because the batteries wore out in a power failure situation. Remove all connectors, take out batteries. Reinstall the unit with fresh batteries suggested in the installation section. |
| A “  ” symbol is presented in the display. | • Main power failure.<br>• Reconnect adaptor.<br>• If batteries are low, the unit might hang up. See above. |
| The alarm phone does not work at all ! | • Make sure the telephone line cord is securely connected to the telephone wall outlet.<br>• Power problem. Check the main power supply. |
| A “  ” symbol is shown in the display. | • Change batteries according to the change battery procedure. |
| The alarm phone does not start dialling from the dial list when there is an alarm | • No telephone numbers have been stored in the list.<br>• The telephone line is disconnected.<br>• The plug is not installed. |
| The internal siren does not function! | • The internal siren is in “OFF” position in the setup menu |
| The PIN code does not disconnect the alarm. | • The PIN code is wrong. |