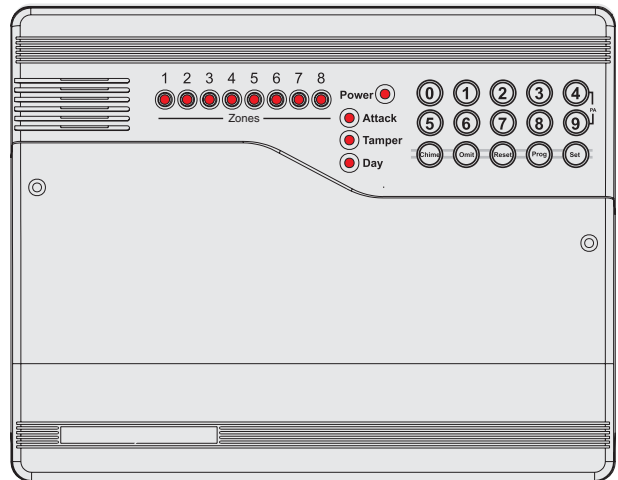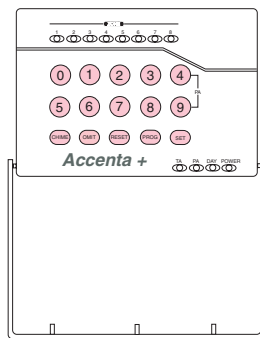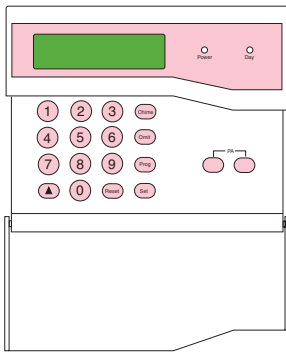# Accenta/Optima

User Guide

Servicing Organisation (Installer) name: _____

Telephone Number: _____

Date of Installation: _____

Account Number: _____

Honeywell Security

Contents

Introduction

This User Guide tells you how to operate your intruder alarm system. To simplify this User Guide we have assumed that the alarm system has been installed by a professional intruder alarm system installer (the installer), and that the system is operated in a "typical" way. Aspects of your system that are not "typical" will be described by your installer.

NOTE: If you have any questions about your intruder alarm system, then consult your installer, see contact details at the front of this User Guide.

Codes

To operate the alarm system you will need to use a code. A code is 4 digits long, and can be any number from 0000 to 9999. By default user code 1 is [**0**][**1**][**2**][**3**] but you should change this as soon as possible.

Alarm System Operation

This booklet describes three versions of the alarm system. The **Optima** version has the keypad and indicators on the main control panel. The **Accenta** version has the keypad and indicators on a small remote LCD or LED keypad. You operate the alarm system by pressing buttons on the keypad and viewing the indicators. Both alarm systems work the same way. Both **Accenta** and **Optima** systems can be fitted with an optional remote keypad.

Personal Attack

If the installer has programmed personal attack on the keypads and if you are under threat, or are being attacked, you can activate the alarm by pressing the **4** and **9** keys at the same time on any LED keypad. You can also press the two keys marked **PA** on the remote LCD keypad. The alarm system will produce a loud alarm sound, and the external siren will be turned on.

Fire Zones

Zones 7 and 8 on your alarm system may have a Fire or Smoke detector connected to it. In the event of a fire the alarm system will produce a distinctive two-tone fire alarm sound, and the outside siren will pulse 2 seconds on, 2 seconds off. You should leave the premises immediately, and only re-enter when it is safe to do so. The alarm can be silenced by entering your code.

Power Indicator

The **Power** indicator on the control panel or keypad will light whenever the mains power supply is present. If mains power fails then the **Power** indicator will go out, but the system will run from its backup battery for several hours. If the **Power** indicator goes out when mains power is present then a fault may have developed on your system and you should contact your installer.

Signalling Device

Your alarm system may have been fitted with a signalling device. This device uses the telephone line to send an alarm message to an Alarm Receiving Centre in the event of an alarm. The operator at the ARC may request the police to attend your premises.
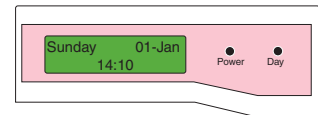
How to Set the System

When you leave your premises you will need to set (or turn on) the intruder alarm system.

Before setting the system you should ensure that the premises have been completely vacated and that all doors and windows are closed. Ensure that pets do not have access to the protected areas as they can cause a false alarm.
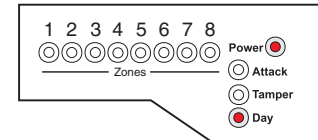
NOTE: The Accenta Remote LED keypad is not shown. It will have the same indications as the Optima compact panel with built-in keypad.

NOTE: There will be no exit beeps if **Silent Timed** exit mode was programmed.

LCD Keypad: the **Day** LED should be on. The screen shows the day mode:

```
Sunday      01-Jan
         14:10        ●      ●
                     Power  Day
```

LED Keypad: the **Day** LED should be on.

```
1 2 3 4 5 6 7 8
○○○○○○○○   Power ◉
 Zones           ○ Attack
                 ○ Tamper
                 ◉ Day
```

NOTE: You should wait until you hear that the exit beep has stopped before assuming that the system has set.

LCD Keypad:

- Enter your 4-digit code (**0123** default) and check that the system is clear.

- The exit tone begins to sound and the display shows program 1 in process of setting.
- Leave the premises by the agreed exit route.
- The exit tone becomes rapid during the last 10 seconds and then stops when the system sets. The **Day** LED goes off and **SYSTEM SET** appears on the screen

- After 30 seconds the set mode display appears.

[**4-digit code**]

```
Enter  Your  Code
****
```

```
Program  1  Set
```

```
**  SYSTEM  SET  **
```

```
Sunday      01-Jan
        14:10
```
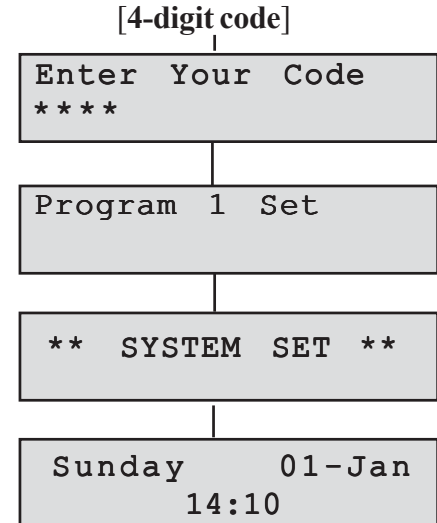
LED Keypad:

- The system is unset. The **Power** and **Day** LED's are on.
- Enter your 4-digit code (**0123** default) and check that the system is clear (no zone LED's on).
- The exit tone begins to sound to indicate that the system is in the process of setting.
- Leave the premises by the agreed exit route.
- The exit tone becomes rapid during the last 10 seconds and then stops when the system sets. The **Day** LED goes off.

[**4-digit code**]

```
TA    PA   Day   Power
○     ○     ○     ◉
```
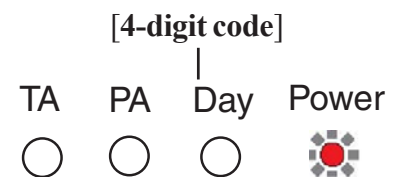
How to Unset the System

When you enter your premises you will need to unset (turn off) the system.

LCD Keypad:

- Enter the premises by the agreed entry route. The system produces an entry tone. The **Power** LED is on and the **Day** LED is off indicating that the system is set.

- Enter your 4-digit code (**0123** default).
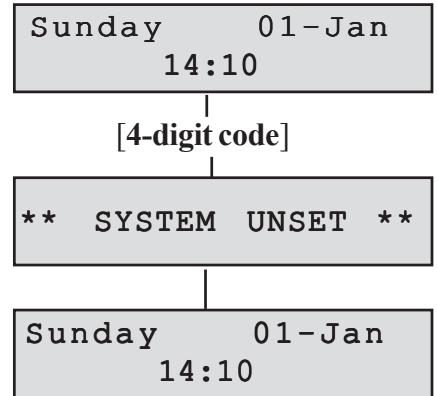
- The system unsets with a double beep. The **Day** LED comes on indicating that the system is unset.

- After 30 seconds the **Day** mode display appears.

```
Sunday      01-Jan
       14:10
```
[**4-digit code**]

```
**  SYSTEM  UNSET  **
```

```
Sunday      01-Jan
       14:10
```

LED Keypad:

- Enter the premises by the agreed entry route. The system produces an entry tone. The **Power** LED is on and the **Day** LED is off indicating that the system is set.

- Enter your 4-digit code (**0123** default).

- The system unsets with a double beep. The **Day** LED comes on indicating that the system is unset.

TA PA Day Power
○   ○   ○   ●

[**4-digit code**]

TA PA Day Power
○   ○   ●   ●
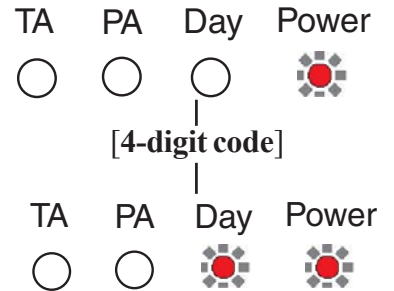
If any Zone, TA (Tamper) or PA (Attack) LED's come on then an alarm has occurred, and an intrusion may have taken place. Seek assistance before investigating further as intruders may still be on the premises. Then reset the system.

When you enter your premises you will have a short period of time, usually 30 seconds, to enter your code. If you fail to do this the system will go into alarm. Enter your code to stop the alarm.

How to Part Set the System

If your installer has programmed your system for **part set** operation you will be able to set some zones of the system while others remain unset. Part set operation is often used at night time, and it will permit you to freely walk around the bedrooms while the living area and outside doors are protected. Your system may have 2 part-set programs called Program 2 and Program 3.

Before part-setting the system you should ensure that all doors and windows are closed. Ensure that pets do not have access to the protected areas. Your installer may have instructed you to use a different keypad to the one normally used to set the system.

LCD Keypad:

- The **Day** LED should be on. The screen shows the **Day** mode:

- Enter your code [**0**][**1**][**2**][**3**]. The exit beep starts.

- Press the [**PROG**] key. The exit tone stops.

- Select part-set program [**2**] or [**3**]. The system will set after a short time. The **Day** LED goes out.

NOTE: There will be no exit beeps if **Silent Timed** exit mode was programmed.

```
Sunday      01-Jan
            14:10              ● Power    ● Day
```

[**4-digit code**]

```
Program  1  Set
```

[**PROG**]

```
Set  System
Select  1  2  or  3
```

[**2** or **3**]

```
**  SYSTEM  SET  **
```

```
Sunday      01-Jan
            14:10
```

LED Keypad:

The **Day** LED should be on.

```
1 2 3 4 5 6 7 8    Power ●
○○○○○○○○          ○ Attack
  ——Zones——        ○ Tamper
                   ● Day
```

- Enter your code [**0**][**1**][**2**][**3**]. The exit beep starts.

[**0**][**1**][**2**][**3**] then [**PROG**]

- Press the [**PROG**] key. The exit tone stops and the zone LED's 1 to 3 come on.

```
1 2 3 4 5 6 7 8    Power ●
●○●○○○○○          ○ Attack
  ——Zones——        ○ Tamper
                   ● Day
```

[**2** or **3**]

- Select part-set program [**2**] or [**3**]. The system will set after a short time. The **Day** LED goes out.

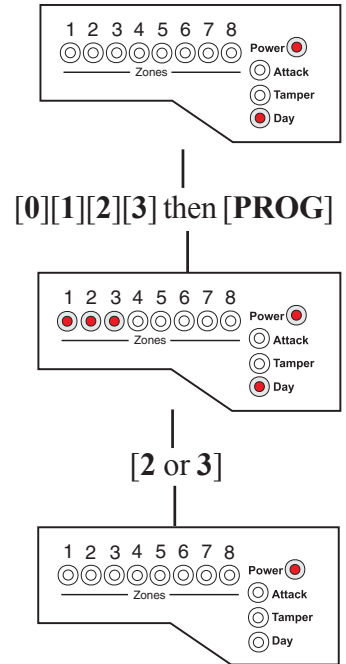**NOTE:** There will be no exit beeps if **Silent Timed** exit mode was programmed.

```
1 2 3 4 5 6 7 8    Power ●
○○○○○○○○          ○ Attack
  ——Zones——        ○ Tamper
                   ○ Day
```

How to Silence an Alarm and Reset the System

If your system goes into alarm then be aware that intruders may be in the premises. Seek assistance before investigating the cause of the alarm.
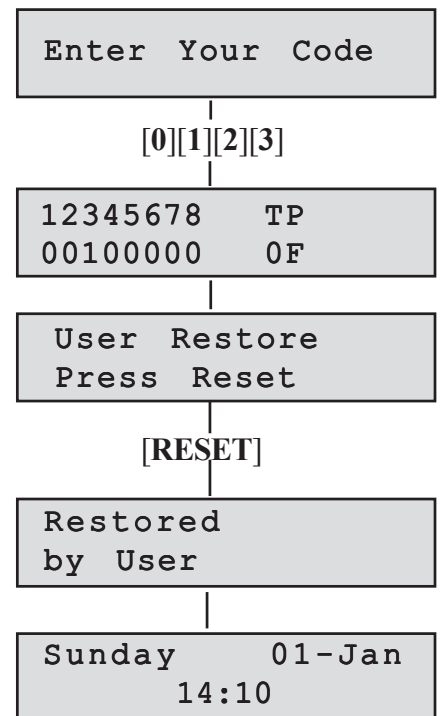
LCD Keypad:

```
Enter  Your  Code
```

- Enter your code [**0**][**1**][**2**][**3**]. The alarm will stop.

[**0**][**1**][**2**][**3**]

- The screen alternates showing what caused the alarm and prompting for user reset

```
12345678    TP
00100000    0F
```

When two or more alarms have occured, the first alarm will have an **F** below the zone number, **T**amper or **P**A. Subsequent alarms will have a **1** indicating where the alarm has taken place.

```
User  Restore
Press  Reset
```

- Press [**RESET**]. The system resets and goes into day mode if there are no open Tampers, PA or Fire zones to cause a fault lockout.

[**RESET**]

The system can be reset by the user only if the installer has programmed it to do so. If the message **Engineer Restore Required** appears on screen then the user will have to contact the installer.

```
Restored
by  User
```

- After 30 seconds the set mode display appears.

```
Sunday      01-Jan
      14:10
```

LED Keypad:

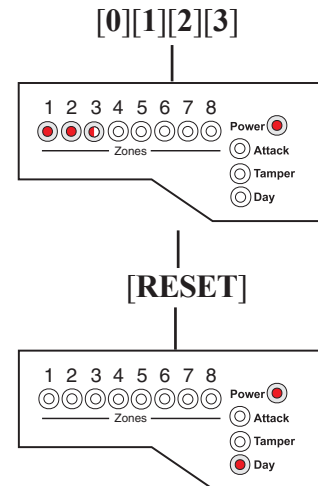*   Enter your code [**0**][**1**][**2**][**3**].

The alarm will stop, and the **Zone**, **Tamper** (**TA**) or **Attack** (**PA**) LED's will come on to show the cause of the alarm.

NOTE: When 2 or more LED's are on, the flashing indicator shows the first alarm, and the steady indicators show the second and subsequent alarms.

*   Press [**RESET**].
*   If the **Zone**, **Tamper** (**TA**) or **Attack** (**PA**) LED's go out and the **Day** LED comes on then the system has been reset.

If any of the LED's continue to flash then the system has been programmed to be reset by the installer. In this case you must call the installer to reset the system.

If all LED's light steady (not flashing), and the keypad stops working, then the system has entered a fault-lockout. You must call the installer to rectify this fault.

[0][1][2][3]

1 2 3 4 5 6 7 8
Zones — Power, Attack, Tamper, Day

[RESET]

1 2 3 4 5 6 7 8
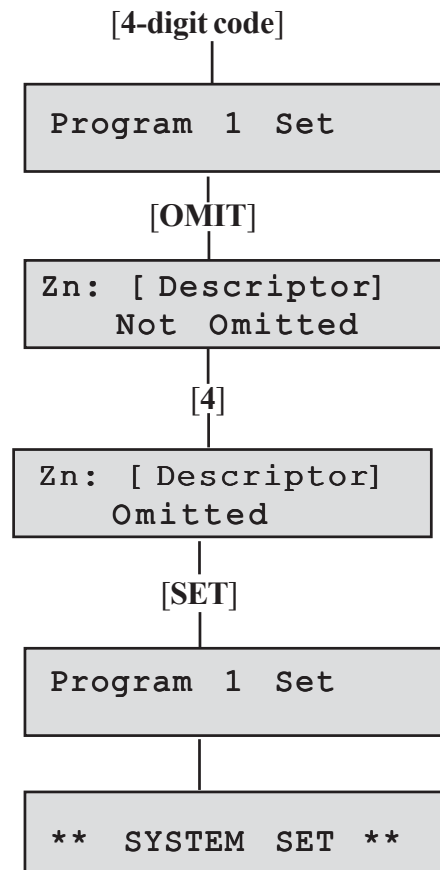Zones — Power, Attack, Tamper, Day

How to Omit Zones

If you cannot set the alarm system because a detector is faulty and in constant alarm you may need to omit its zone from the alarm system. A zone which has been omitted cannot cause an alarm. Omitted zones will be restored after the system is unset.

Before a zone can be omitted it has to be enabled by the installer as a **Used Zone** and as an **Omit Allow** zone.

LCD Keypad:

*   Enter your [**4-digit code**] to start the exit procedure (for more information see **How to Set the System**).

*   Press [**OMIT**] and the exit beep tone will stop, and the first used zone that can be omitted will appear on the display.

*   Press the zone [**number**] or [**up arrow**] to be omitted. The display will now show the zone as omitted. If a flat reject tone is heard, then the zone cannot be omitted.

*   Press [**SET**] or allow the system to continue to set.

NOTE: Zn = Zone number

[4-digit code]

```
Program  1  Set
```

[OMIT]

```
Zn: [ Descriptor]
    Not  Omitted
```

[4]

```
Zn: [ Descriptor]
    Omitted
```

[SET]

```
Program  1  Set
```

```
**  SYSTEM  SET  **
```

LED Keypad:

*   Enter your [**4-digit code**] to start the exit procedure (for more information see **How to Set the System**).

    [**4-digit code**]

    [**OMIT**]

*   Press [**OMIT**] and the exit beep tone will stop, and all LED's for used zones that can be omitted will come on.

*   Press the zone [**number**] to be omitted. The LED will now flash to show the zone as omitted. If a flat reject tone is heard, then the zone cannot be omitted.

    [**Number**]

*   Press [**SET**] or allow the system to set.

    [**SET**]
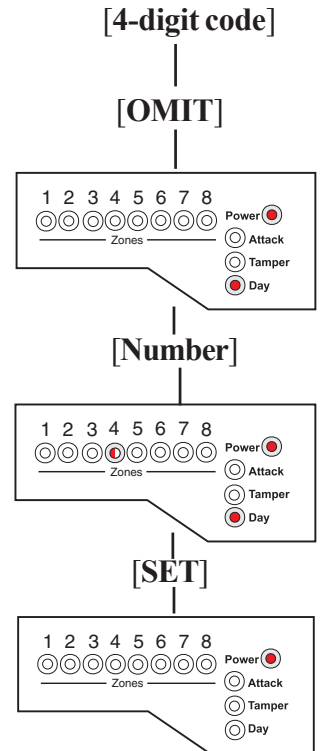
How to Quick Set the System

When you set the system you will usually have about 30 seconds to exit the premises. This also means that you need to wait 30 seconds for the system to set. You can reduce this time to just five seconds by carrying out a **Quick Set**.

*   Enter your [**4-digit code**] to start the exit procedure. The exit beep tone will start. (For more information see **How to Set the System**).

*   Press [**SET**] to Quick Set the system and the exit beep tone will change to a more rapid tone. The system will set in five seconds, and the exit tone will stop.

Single Key Setting

If enabled by the engineer, the setting process can be started by pressing Set, rather than entering a user code.
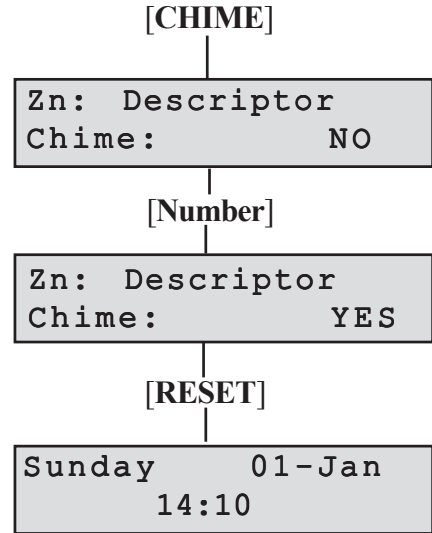
How to Set Up Chime Mode

Chime is a low security facility for use when the system is unset. It is particularly useful in a shop to warn of customers presence, or in a house to warn when a back door has been opened. When a Chime zone detects movement the system will produce a brief two–tone sound, and the Zone LED will come on.

To set any zone to Chime.

LCD Keypad:

- The system should be in **Day** mode (System Unset).
- Press [**CHIME**]. The screen will show the first zone that is already set up for Chime (possibly none).

- Press the zone [**number**] to toggle it in and out of chime.

- When you have finished using the Chime mode press [**RESET**] or wait a few seconds for the display screen to show **Day** mode.

NOTE: Zn = Zone number

[**CHIME**]

```
Zn: Descriptor
Chime:        NO
```

[**Number**]

```
Zn: Descriptor
Chime:       YES
```

[**RESET**]

```
Sunday     01-Jan
        14:10
```

LED Keypad:

- The system should be in **Day** mode (System Unset).
- Press [**CHIME**]. The zone LED's will come on to show those zones that are already set up for Chime (possibly none).

- Press the zone [**number**] to toggle it in and out of chime.

- When you have finished using the Chime mode press [**RESET**] or wait a few seconds. The zone LED goes off.
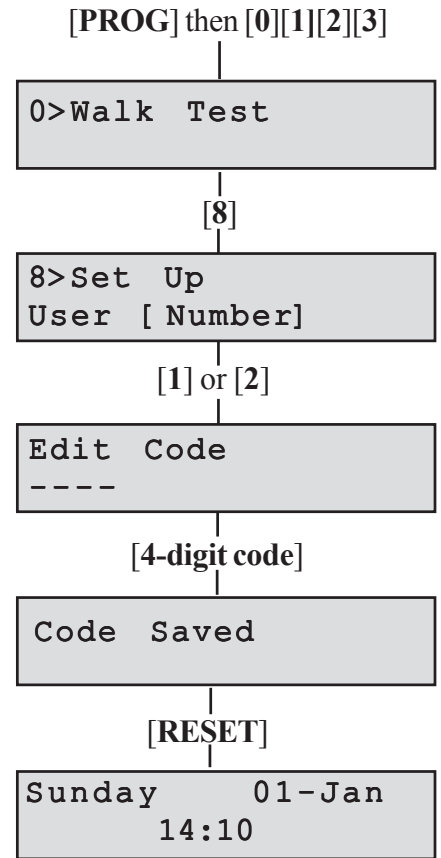
[**CHIME**]

[**Number**]

[**RESET**]
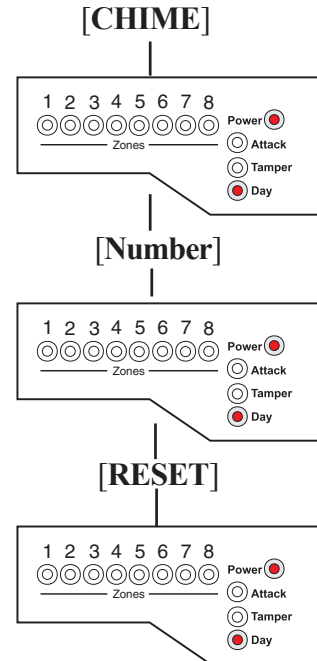
Changing Codes Using User 1

You should change your code regularly to prevent potential intruders from knowing your code. All codes are 4-digits. The factory set code is [**0**][**1**][**2**][**3**]. User code 1 can only be changed by user 1.
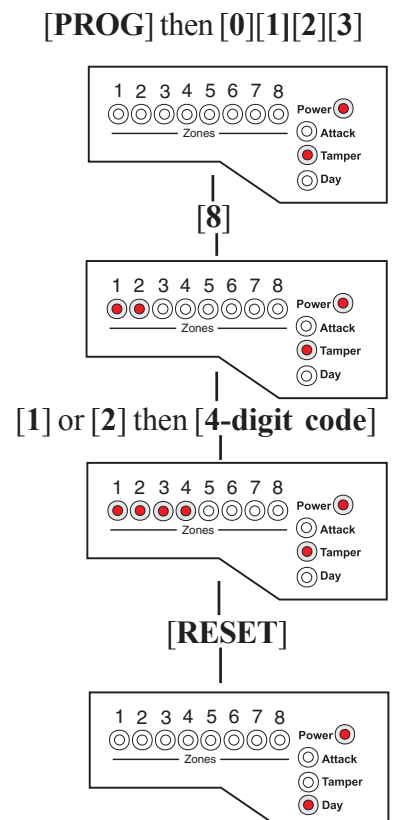
To change user code:

LCD Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The Day LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press the [**8**] button on the keypad to enter User Set-Up.

- Press the [**1**] or [**2**] button on the keypad to edit the required user.

- Enter the new [**4-digit code**]. If the code is accepted the system will produce a double beep. If it is rejected the code may already be in use and the system will produce a flat tone. You must choose a different 4-digit code.

- Upon the last keypress the code is saved.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED will come on with the screen in **Day** mode.

[**PROG**] then [**0**][**1**][**2**][**3**]

```
0>Walk  Test
```

[**8**]

```
8>Set  Up
User [ Number]
```

[**1**] or [**2**]

```
Edit  Code
----
```

[**4-digit code**]

```
Code  Saved
```

[**RESET**]

```
Sunday     01-Jan
         14:10
```

LED Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Tamper** (**TA**) LED comes on and the **Day** LED goes off to indicate that you are in Programming mode.

- Press the [**8**] button on the keypad. LED's 1 and 2 are on to indicate that you have two options, user 1 and user 2.

- Press the [**1**] or [**2**] button on the keypad to edit the required user. LED's 1-4 are on.

- Enter the new [**4-digit code**]. If the code is accepted the system will produce a double beep. If it is rejected the code may already be in use and the system will produce a flat tone. You must choose a different 4-digit code.

- Upon the last keypress the code is saved. LED's 1-4 are off.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED comes on and the **Tamper** (**TA**) goes off.

[**PROG**] then [**0**][**1**][**2**][**3**]

[**8**]

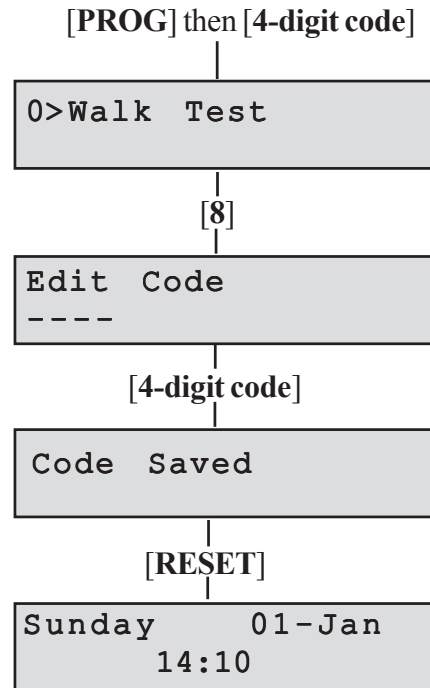
[**1**] or [**2**] then [**4-digit code**]

[**RESET**]

Changing Codes Using User 2

Your alarm system can have a second user code. You may find it useful to set up user code 2 for use by a neighbour for use when you are on holiday. User code 2 operates like user code 1, but it cannot be used to change or delete user code 1.
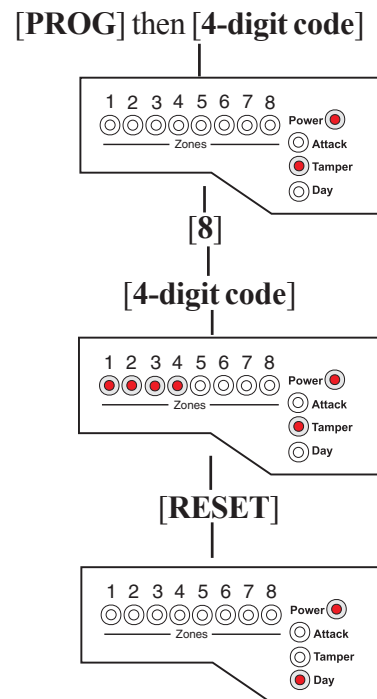
To change user code 2:

LCD Keypad:

- Press [**PROG**] and then enter user 2 [**four-digit code**]. The Day LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press [**8**] to edit user 2.

- Enter the new [**4-digit code**]. If the code is accepted the system will produce a double beep. If it is rejected the code may already be in use and the system will produce a flat tone. You must choose a different 4-digit code.

- Upon the last keypress the code is saved.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED will come on with the screen in **Day** mode.

[**PROG**] then [**4-digit code**]

```
0>Walk  Test
```

[**8**]

```
Edit  Code
----
```

[**4-digit code**]

```
Code  Saved
```

[**RESET**]

```
Sunday     01-Jan
      14:10
```

LED Keypad:

- Press [**PROG**] and then enter user 2 [**four-digit code**]. The **Tamper (TA)** LED comes on and the **Day** LED goes off to indicate that you are in Programming mode.

- Press the [**8**] to edit user 2. LED's 1-4 are on.

- Enter the new [**4-digit code**]. If the code is accepted the system will produce a double beep. If it is rejected the code may already be in use and the system will produce a flat tone. You must choose a different 4-digit code.

- Upon the last keypress the code is saved. LED's 1-4 are off.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED comes on and the **Tamper (TA)** goes off.

[**PROG**] then [**4-digit code**]

[**8**]

[**4-digit code**]

[**RESET**]

How to Delete User Code 2

You can delete the second code to prevent it being used. User 1 or user 2 can delete user code 2.
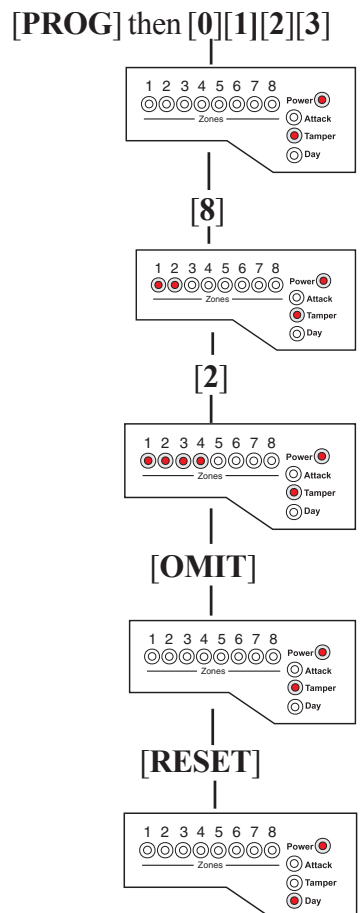
To delete user code 2 using user code 1

```
0>Walk  Test
```

[**8**]

```
8>Set  Up
User  1
```

[**2**]

```
Edit  Code
----
```

[**OMIT**]

```
Code  Deleted
```

[**RESET**]

```
Sunday      01-Jan
        14:10
```

LCD Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press the [**8**] button on the keypad to enter User Set-Up.

- Press [**2**] to edit user code 2.

- Press [**OMIT**] to delete user code 2.

- The message **Code Deleted** is displayed on the screen.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED will come on with the screen in **Day** mode.
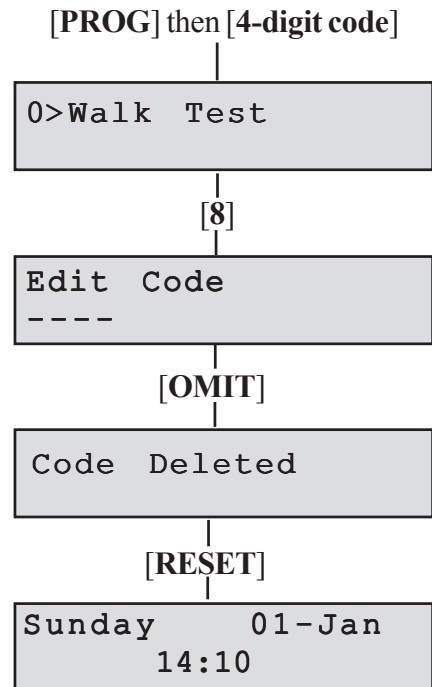
[**8**]

[**2**]

[**OMIT**]

[**RESET**]
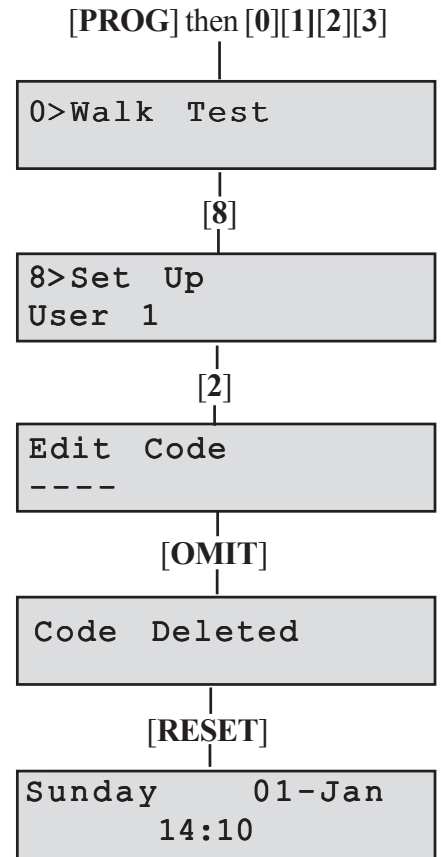
LED Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off to indicate that you are in Programming mode.

- Press the [**8**] button on the keypad to enter User Set-Up. LED's 1 and 2 are on.

- Press [**2**] to edit user code 2. LED's 1-4 are on.

- Press [**OMIT**] to delete user code 2.

- User code 2 is deleted. LED's 1-4 are off.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED comes on and the **Tamper (TA)** goes off.

To delete user code 2 using user code 2

LCD Keypad:

- Press [**PROG**] and then enter the user 2 [**4-digit code**] . The **Day** LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press the [**8**] button on the keypad to edit user code 2.

- Press [**OMIT**] to delete user code 2.

- The message **Code Deleted** is displayed on the screen.

- Press [**RESET**] twice to exit Programming mode. **The Day** LED will come on with the screen in **Day** mode.

[**PROG**] then [**4-digit code**]

```
0>Walk  Test
```

[**8**]

```
Edit  Code
----
```

[**OMIT**]

```
Code  Deleted
```
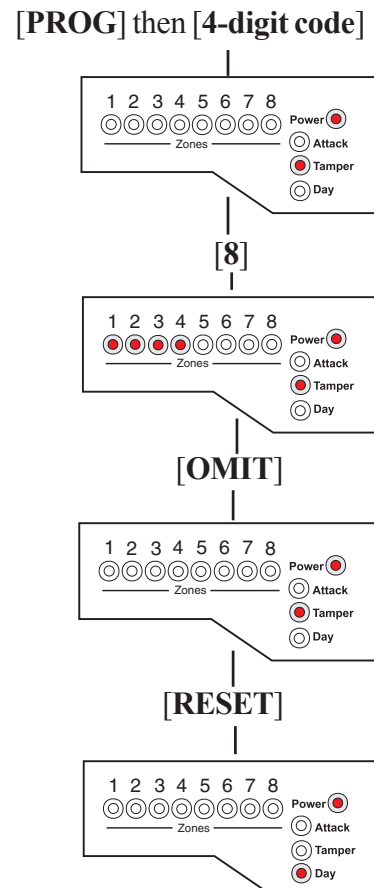
[**RESET**]

```
Sunday     01-Jan
        14:10
```

LED Keypad:

- Press [**PROG**] and then enter the user 2 [**4-digit code**] . The **Day** LED goes off to indicate that you are in Programming mode.

- Press the [**8**] button on the keypad to edit user code 2. LED's 1-4 are on.

- Press [**OMIT**] to delete user code 2.

- User code 2 is deleted. LED's 1-4 are off.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED comes on and the **Tamper (TA)** goes off.

[**PROG**] then [**4-digit code**]

[**8**]

[**OMIT**]

[**RESET**]

Duress Code

Your alarm system can have a duress code. The Duress code is used in a hold-up situation where there is pressure to set or unset the system. The Duress code operates like your normal code but in addition it will silently send a signal to the Alarm Receiving Centre. The operator at the ARC may request the Police to attend your premises.

The duress code can only set up, edited and deleted by the installer while in *Engineer program mode*.

NOTE: The Duress code facility is not applicable to the **Optima compact** system.

How to View the Event Log

1 = LCD Keypad:

The event log gives a display of all the events that have taken place. The events are arranged by date and time. Up to 250 events can be stored in the memory. When the log reaches 250 events and another event takes place, the oldest event drops out.
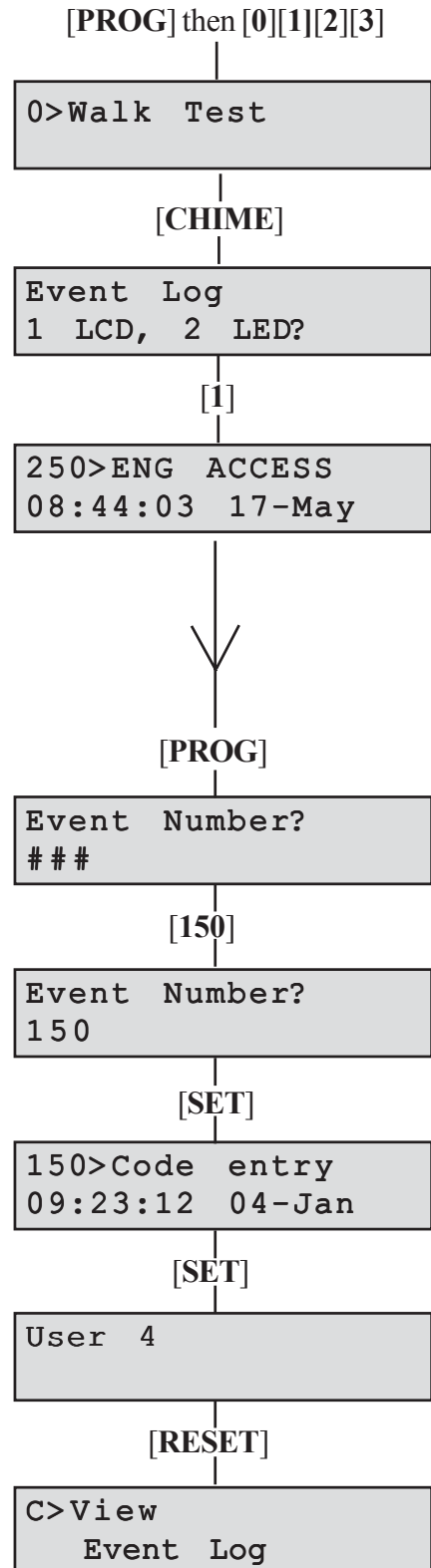
To view the event log:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

[**PROG**] then [**0**][**1**][**2**][**3**]

```
0>Walk  Test
```

- Press [**CHIME**].

[**CHIME**]

```
Event  Log
1  LCD,  2  LED?
```

- Choose [**1**] for Event Log in LCD screen.

[**1**]

- The last event (250) appears on LCD screen.

```
250>ENG  ACCESS
08:44:03  17-May
```

To go forward through the event log in sequence, press [**OMIT**].

To go back through the event log in sequence, press the [**up arrow**].

- Press [**RESET**] twice to leave the menu.

To go to a specific event:

- Press the [**PROG**] button.

[**PROG**]

```
Event  Number?
###
```

- Key in Event Number you want to see (eg 150).

[**150**]

```
Event  Number?
150
```

- Press the [**SET**] button. The event appears on the LCD screen.

[**SET**]

```
150>Code  entry
09:23:12  04-Jan
```

- Press [**SET**] again to see further details of the event.

[**SET**]

```
User  4
```

[**RESET**]

```
C>View
   Event  Log
```

- Press [**RESET**] twice to leave the menu option.

2 = LED Keypad:

The LED keypad is limited to show the last eight set periods with the eighth being the oldest. **Zone**, **Attack (PA)** and **Tamper (TA)** LED's will be on to show zone in alarm . Flashing LED indicates the first zone in alarm. **Day** indicates the status of the panel at the time of the alarm.

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off and the **Tamper** (**TA**) LED comes on to indicate that you are in Programming mode.
- Press [**CHIME**] to enter into Event Log menu. LED's 1 and 2 are on.
- Press [**2**] for LED keypad. The first zone to activate is indicated by a flashing LED.
- Press [**1 to 8**] for the desired event or [**CHIME**] to go through events in sequence.

- Press [**RESET**] twice to leave the menu.

[**PROG**] then [**0**][**1**][**2**][**3**]

[**CHIME**]

[**RESET**]
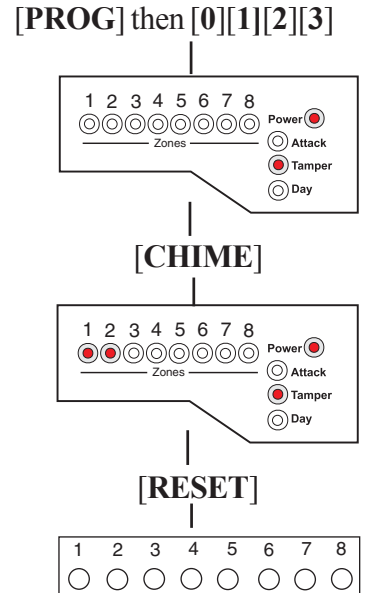
How to Test Your Alarm system

You should check that your alarm system still works correctly by periodically carrying out the alarm system tests described here.

How to Test the Bell, Strobe and Internal Sounder

This function tests the alarm function of the Bell, Strobe or Internal Sounder. Pressing the appropriate button [**1-3**] toggles the function ON or OFF. Using the [**up arrow**] also selects the appropriate alarm function.

Pressing the [**0**] button turns all alarm outputs to OFF.

Pressing the [**SET**] button toggles the selected alarm output.

Pressing the [**RESET**] button turns off all outputs and leaves the function.
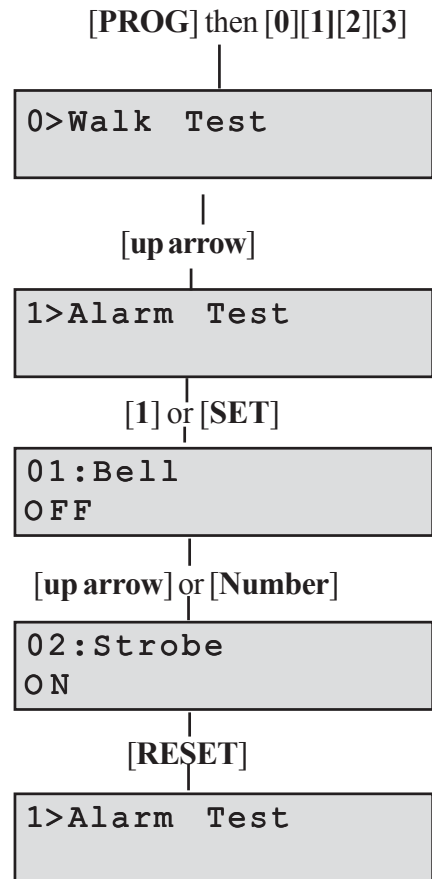
The outputs are:

1 = Bell, 2 = Strobe, 3 = Sounder

NOTE: To test the Low volume sounder enable option 3 only. To test for a high volume sounder enable both options 2 and 3 together.

LCD Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press [**up arrow**] for menu **Alarm Test**.

- Press [**1**] or [**SET**] to enter into first function ON or OFF.

- Press the [**up arrow**] or number [**2**] or [**3**] for the other functions.

- Press [**RESET**] to leave the menu.

[**PROG**] then [**0**][**1**][**2**][**3**]

```
0>Walk  Test
```

[**up arrow**]

```
1>Alarm  Test
```

[**1**] or [**SET**]

```
01:Bell
OFF
```

[**up arrow**] or [**Number**]

```
02:Strobe
ON
```

[**RESET**]

```
1>Alarm  Test
```

LED keypad

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off and the **Tamper (TA)** LED comes on to indicate that you are in Programming mode.

- Press [**1**] for menu **Alarm Test**.

- Press [**1**] or [**SET**] to toggle first function ON or OFF.

- Press number [**2**] and [**3**] for the other functions.

- Press [**RESET**] twice to exit Programming mode. The **Day** LED comes on and the **Tamper (TA)** LED goes off.

[**PROG**] then [**0**][**1**][**2**][**3**]

[**1**]

[**1**] or [**SET**]

[**2**]

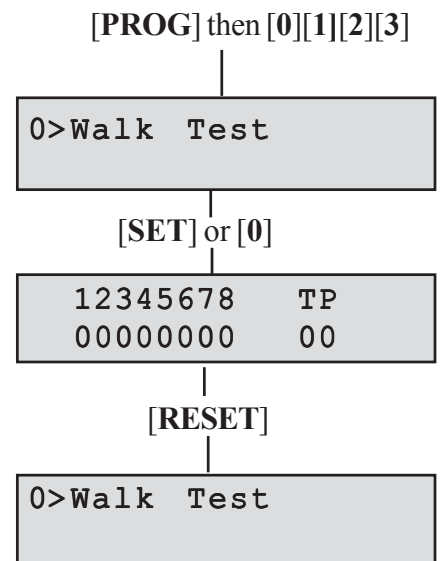[**RESET**]
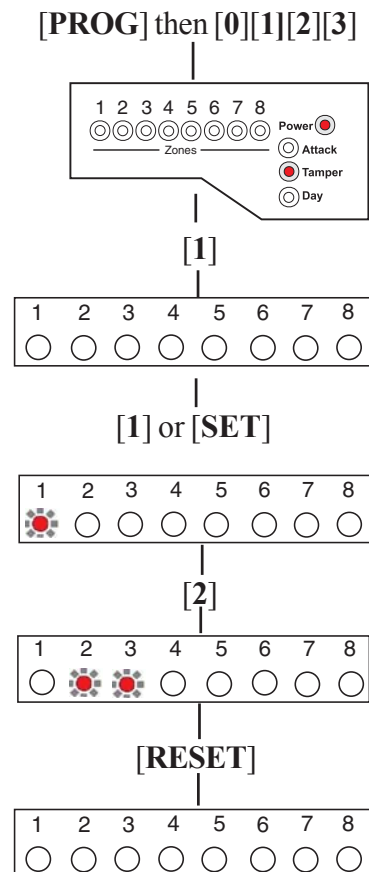
How to do a Walk Test

Walk around your property, and in turn cause each detector to go into alarm. Also, open and close all door and windows that are protected by the system. For each detector (including door or window sensor) that is activated the system will produce a series of beeps, and the associated zone will be indicated on the keypad.

NOTE: Do not test any **Personal Attack, Fire or Tamper** buttons during the Walk Test since these are still active and will cause a full alarm.

If any of the tests fail, or you are unsure of the correct procedure, contact your installer
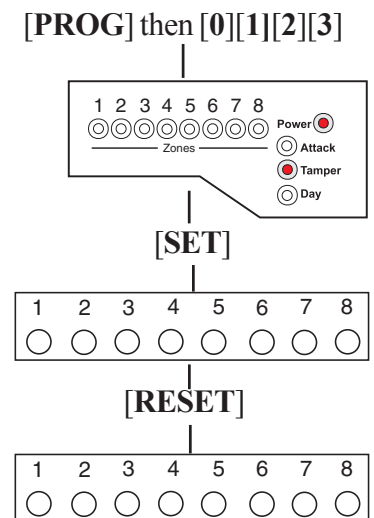
LCD Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press [**SET**] or [**0**]. Zones 1-8 have a zero (0) below each number.

- When a zone is successfully tested, number 1 replaces the 0. Zones are added to list as each one is activated.

- Press [**RESET**] to leave the menu or [**SET**] to restart the Walk Test.

[**PROG**] then [**0**][**1**][**2**][**3**]

```
0>Walk  Test
```

[**SET**] or [**0**]

```
 12345678    TP
 00000000    00
```

[**RESET**]

```
0>Walk  Test
```
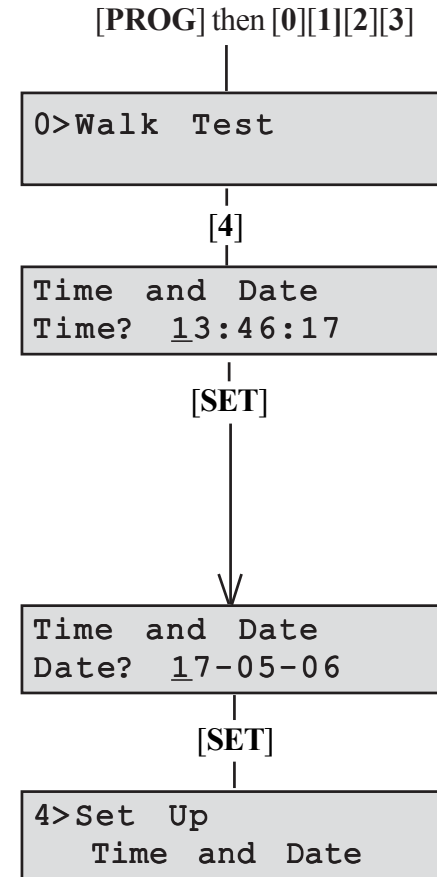
LED keypad

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off and the **Tamper (TA)** LED comes on to indicate that you are in Programming mode, **Walk Test**

- Press [**SET**] or [**0**]. Zones 1-8 are off.

- When a zone is sucsessfully tested, the LED is on. Zones are added to list as each one is activated.

- Press [**RESET**] to leave the menu or [**SET**] to restart the Walk Test.

[**PROG**] then [**0**][**1**][**2**][**3**]

1 2 3 4 5 6 7 8
Zones
Power
Attack
Tamper
Day

[**SET**]

1 2 3 4 5 6 7 8

[**RESET**]

1 2 3 4 5 6 7 8

How to Set up the Time and Date

LCD Keypad:

- Press [**PROG**] and then enter your code [**0**][**1**][**2**][**3**]. The **Day** LED goes off to indicate that you are in Programming mode. The first menu **Walk Test** appears on the screen.

- Press [**4**] and the **Time and Date** Screen appears.

- The **Time** can be modified in hours, minutes and seconds in the format HH:MM:SS. The number keys on the keypad 0-9 are used for this function. As each digit is modified the cursor moves to the next one. When the time is correct press the [**SET**] button to accept the change and move to the next screen or

- To cancel the change press the [**RESET**] button twice.

```
0>Walk  Test
```

[**4**]

```
Time  and  Date
Time?  13:46:17
```

[**SET**]

```
Time  and  Date
Date?  17-05-06
```

[**SET**]

```
4>Set  Up
   Time  and  Date
```

- The **Date** can be changed in day , month, year format DD-MM-YY. The number keys on the keypad 0-9 are used for this function. As each digit is modified the cursor moves to the next one. When the date is correct press the [**SET**] button to accept the change or

- To cancel the change press the [**RESET**] button twice.

LED Keypad:

If required, the time and date can be entered as per the procedure for the LCD keypad. However no information will be indicated on the LED keypad. The only indication on the LED keypad that you are in menu 4 **Set up Time and Date** is that LED's 1 to 6 on the LED Keypad will be ON.

External Siren Time: _____

Siren delay: _____

Area Protected		Zone Name	Program 1	Program 2	Program 3
Zone 1					
Zone 2					
Zone 3					
Zone 4					
Zone 5					
Zone 6					
Zone 7					
Zone 8					

T = Timed (Entry/Exit Zone)
TI = Timed Inhibited (Access zone to keypad)
I = Immediate

The panels conform to the requirements of the European EMC and Low Voltage directives, and carries the CE mark

INSTALLATION INTRUCTIONS

AG6
EXTERNAL SOUNDER & STROBE

$C\epsilon$

WARNINGS

STROBE CIRCUITS CARRY HIGH VOLTAGES (350 volts.) **ALWAYS** make sure the unit has been disconnected from all external power for **at least 5 minutes** before removing **ANY** safety cover.

WEAR hearing protection when close to a sounder.

ALWAYS observe safety precautions with regard to ladder use.

Plastic bags can suffocate - always dispose of carefully.

NEVER put screwdrivers or other sharp objects in pockets - **ALWAYS** use a tool belt.

STANDARDS

This unit has been tested to the required standards for emission, immunity as set out by the EEC (ECD 89/336/EEC). This unit complies with EN50131-1 which relates to security control equipment.

STANDARD PARTS LIST

1 x AG6 sounder.

1 x Accessory bag containing: - 4 x No 8 Wallplugs, 4 x 2" No 8 screws, Lid screw, screw cap.

This instruction manual Part No F-051-599-00.

INSTALLATION OVERVIEW

Here is a brief description of a typical setup and installation procedure for the AG6.

1. Mount the unit to the desired surface.
2. Connect the AG6 to the control panel.
3. Connect BATT link.
4. Replace covers and tighten the tamper screw.
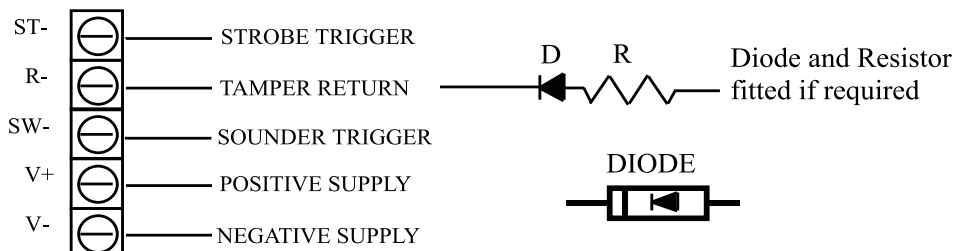5. Power up the control panel.

CONNECTIONS

AG 6	R- Negative Tamper Return	V- Negative Supply	ST- Negative Strobe Trigger	V+ Positive Supply	-SW Negative Sounder Trigger
SECURIT 800 Series	R-	V-	ST-	V+	S-
SECURIT 703	R-	0V (NOTE 1)	ST-	BELL+	NO
SECURIT 700L	R-	BELL-	ST-	BELL+	S-
BRAVO 700	R-	BELL-	ST-	BELL+	S-
ACTIVE 5X	21 (NOTE 2)	20 (NOTE 3)	ST-	BELL+	S-
ACTIVE 4	13 (NOTE 2)	12 (NOTE 3)	ST-	BELL+	S-
724 / 764	TAMP RET	V-	INT BELL-	AUX+	EXT BELL-
ARITECH CS350	17	16	7	4	5
VERIFIER 6	TAMP RET	-VE HOLD	- INT BELL	+ EXT BELL	- EXT BELL
ADE	TRO	SCB-	STR	BELL+	BELL-
MENVIER	BELL TAMP	0V	STB	BELL 12V	BELL TRIG
OPTIMA XL4	A	T	STROBE-	D	B
TEXECOM	C	D	S	A	B
SCANTRONIC	TR	0V	STR NO-	12V+	BELL NO-
PARAGON PLUS	BT	B-	STB-	B+	BA
CHALLENGER 5	C	A	ST-	D	B

NOTES FOR TERMINAL CONNECTIONS.

1) Link the terminal marked COM to 0V terminal at the panel.
2) This should be wired in series with all other tampers and then connected to the pin shown.
3) This connection should be the start of the tamper loop and is also used as HOLD OFF negative.

When connecting the bell box to a control panel designed for use in Eire (Ireland) for example the Verifier 6 or Aritech, a diode should be installed as shown below. For panels without a strobe output, Link the ST- to the SW- .

ST-	STROBE TRIGGER
R-	TAMPER RETURN
SW-	SOUNDER TRIGGER
V+	POSITIVE SUPPLY
V-	NEGATIVE SUPPLY

D   R   Diode and Resistor fitted if required

DIODE

TECHNICAL INFORMATION

HOLD OFF SUPPLY   13.65Vdc nominal 12.0 to 14.5Vdc.

LOAD CURRENT   35mA nom. Quiescent.
260mA nom. Combined sounder and strobe.
125 mA nom. Strobe only.

SOUND OUTPUT LEVEL   110dB @ 1m nom (Supply & Mounting Dependant)

BATTERY   6.0v, 280mAhr Nicad. Automatic charging from hold off supply. Design life = 5 years at 20°C nom. Minimum of 3 15 minute alarms from fully charged battery without recharge.

TEMPERATURE RANGE   -20°C to +40°C. Operating & Storage

TRIGGER CONDITIONS   Automatic reset occurs when trigger clears

HOLD OFF   Loss of hold off supply

S-   Negative Trigger (-V applied)
Trigger occurs when terminal voltage is less than 3.5v.
Maximum load 1.0mA

TAMPER DETECTION   Wall & Cover retaining screw
TAMPER OUT   Normally closed negative tamper return

CUT OFF TIMER   15 minutes nom. (Sounder Only).

STROBE TRIGGER   -V applied
STROBE   0.6 Joules per flash. 1 flash per second nom. @ 13.65Vdc.

DIMENSIONS   H 55mm   W 200mm   D 300mm

WEIGHT   Gross 840 grams

MOVING THE TAMPER SWITCH

If you are fitting the unit horizontally, you can rotate the AG6 so that the strobe is either to the left or right. However, this would mean in certain cases the tamper screw would be awkward or in the wrong position to tighten. To remove this potential problem, the tamper switch can simply be unclipped from its mounting pins and moved to the opposite side of the base. Make sure the tamper switch is secure before mounting the base.

NOTE:
For correct operation make sure the **BATTERY LINK** is fitted.
The **TAMPER** switch must be closed for the AG6 to get any power from the control panel. This will also power the LED.

NACOSS Regulations.
This unit will conform to NACOSS regulations when installed correctly: In the event that the bell box tamper is opened, this unit will send a tamper signal to the control panel and trigger a local sounder when the system is unarmed .

This product is manufactured to ISO 9001 quality assurance and complies with all relevant standards as set out for EMC. This product is **Year 2000 compliant.**

Certificate No CC106

Please Note:
C&K SYSTEMS are always endeavouring to improve quality and specification of all it's products and may alter or amend this product and instructions without notice. All information is given in good faith but without warranty.

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Printed & Manufactured in Republic of China by C&K Systems. Document No F-051-599-00

4

Friedland

Wired Passive Infra-Red Movement Detectors
Installation and Operating Instructions

These instructions should be read in conjunction with your System Installation and Operating Manual and be retained for future reference.

Introduction

These Passive Infra-Red (PIR) Movement Detectors are designed for use with Response wired Intruder Alarm systems.

PIR detectors are designed to detect movement in a protected area by detecting changes in infra-red radiation levels caused for example when a person moves within or across the detectors field of vision. If movement is detected, the signal contacts "open" and an alarm signal is generated at the Control Panel (if the system is armed).

Note: Do not exceed the maximum number of PIR detectors permissible for the Zone where the PIR is to be installed or for the system in total. These will be stated in the System Installation and Operating Manual.
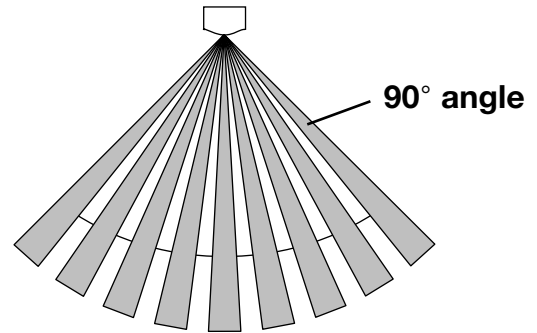
Positioning the Detector

The PIR detector is suitable for mounting in dry interior locations only.

It is recommended that the PIR detector is mounted in the corner of a room at a height of approximately 2.2m. At this height the detector will have a 12m range with a 90° field of vision. If required the detector may be mounted at an 8° angle to tilt downwards and change the detection pattern.
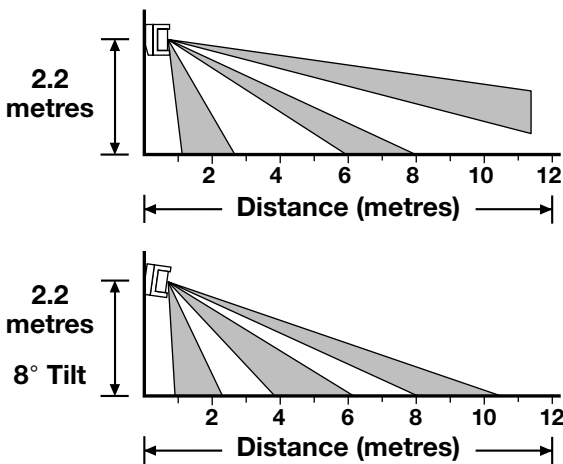
When considering and deciding upon the mounting position for the detector the following points should be considered to ensure trouble free operation:

1. Ideally the detector should be positioned where the logical path of an intruder would cut across the fan detection pattern of the PIR. PIR detectors respond more effectively to movement across the device than to movement directly towards it.

2. Do not position the detector facing a window or where it is exposed to direct sunlight. For this reason PIR detectors are not suitable for use in conservatories.

90° angle

3. Do not position the detector where it is exposed to draughts.

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

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

Note: When the system is armed, household pets should not be allowed into an area protected by a PIR as their movement would trigger the PIR and activate the alarm. Alternatively a PIR protected Zone may be 'Omitted' to allow for pet movement. This facility may not be available with all Control Panels, (refer to your System Installation and Operating Manual for details).

Installing the Detector

Top Mount

Vertical Mount

Angled Mount

8°
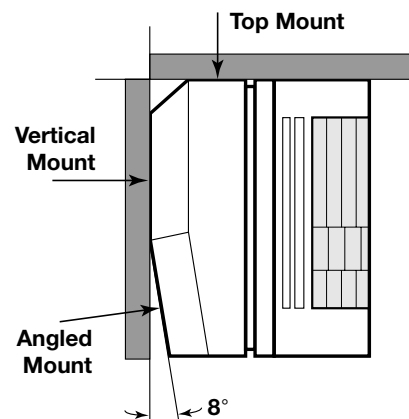
1. Having chosen a suitable position to locate the PIR detector, run the required length of 6 core alarm cable back to the Control Panel.

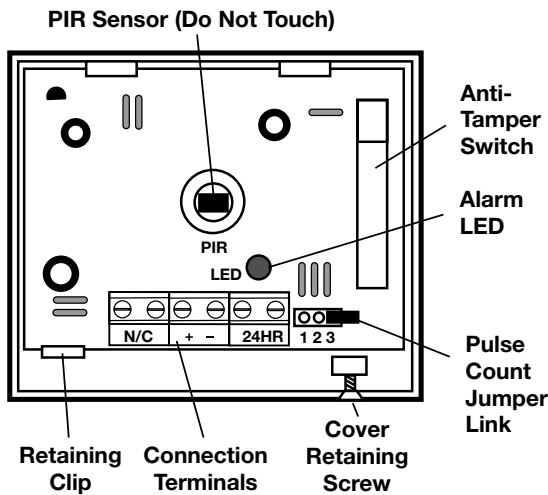   **Do not make any connections at this stage.**

2. Slightly loosen the cover retaining screw on the PIR and remove the cover. Carefully remove the PCB by unclipping the PCB retaining clip at the bottom left of the casing.

   IMPORTANT: Do not touch the PIR sensor in the middle of the PCB as any marking may impair the unit's performance. If accidentally touched, clean with a dry lint free cloth.

3. The unit can be mounted for the standard 12m range by using the top two side holes, or tilted down by 8° using the bottom

two side holes. Alternatively, the unit can be ceiling mounted using the two holes in the extreme top of the casing.

Cable entry cut outs are provided top and bottom, as required.

PIR Sensor (Do Not Touch)

Anti-Tamper Switch

Alarm LED

Pulse Count Jumper Link

Retaining Clip   **Connection Terminals**   **Cover Retaining Screw**

4. Carefully cut (or drill) out the required mounting holes and cable entry. Only remove the minimum required number of screw or cable entry holes, to avoid insects entering the detector and causing false triggering.

Mount the unit using two 18mm No.4 screws and 25mm wall plugs as required, (a 5mm hole will be required for the wall plugs).

Note: Do not over-tighten or use larger headed screws when mounting the unit, as this may distort the casing.

Wiring the Detector

IMPORTANT: Before making any connections, ensure that the existing system if fully shut down and all power, (mains and back-up battery) at the Control Panel is removed, (refer to your System Installation and Operating Manual).

It is important that the 12V power supply wiring is connected in parallel with any existing wiring and that the Zone and Tamper circuit wiring is connected in a SERIES loop with existing wiring to the appropriate terminals on the Control Panel.

PLEASE REFER TO YOUR SYSTEM INSTALLATION & OPERATING INSTRUCTION MANUAL FOR FULL CONNECTION DETAILS.

1. Thread the cable through the entry on the base, then strip back 5mm of each core, twist the strand ends then fold over and wire into the appropriate terminals on the PIR.

The terminals on the PIR and the wires in the cable are colour coded. The correct colour coding should be followed throughout the entire system.

Note: If your existing system is using a non-standard colour coding system for the wiring, then this must be followed.

Red	+12V supply to PIR, (connect in parallel).
Black	0V supply to PIR, (connect in parallel).
Blue & Yellow	normally closed detector alarm zone circuit, (connect in series).
Green & White	normally closed tamper zone circuit, (connect in series).

Full and detailed wiring instructions are detailed in your System Installation and Operating Manual.

2. Carefully refit the PCB into the casing taking care not to touch the PIR detector lens.

3. 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 "Pulse Count" and may be selected for 1, 2 or 3 pulse detection.

The factory default and recommended setting is for 2 Pulse detection. However, in cases of extreme environmental problems, or if unattributable false alarms are experienced, it may be necessary to set "Pulse Count" 3.

Note: The higher the Pulse Count the more movement will be necessary before the PIR detector will trigger the alarm.

1 Pulse   **2 Pulses**   **3 Pulses**

1 2 3   1 2 3   1 2 3

Pulse Count Jumper Positions
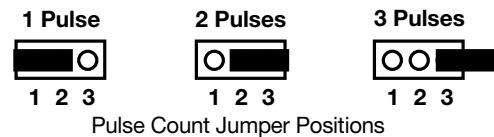
4. Refit the cover and tighten the retaining screw.

5. The PIR is now ready to be connected to the Control Panel or to an existing PIR detector, and tested.

Testing the Detector

Once the PIR detector has been fully installed, reconnect the power to the alarm system and test the new PIR and the system in accordance with your System Installation & Operating Manual.

Note: After reconnecting the power to the system allow at least 4 minutes for any PIR(s) to stabilise before testing.

HELPLINE
If you have a problem with your alarm, please call the helpline on:

01268 563273
(Lines open 9.00am to 5.00pm, Monday to Friday).

CE

Friedland, Novar Electrical Devices and Systems.
The Arnold Centre, Paycocke Road, Basildon, Essex SS14 3EA.