Yale® The world's favorite lock

Kit 5
Home-monitoring
and intruder alarm system

HSA3095

Installation ¥ Programming ¥ Operating

Keep in a handy place for reference and for future maintenance

Helpline 01902 635998

Introduction

General system overview

Thank you for choosing the Yale HSA3095 Home-monitoring and Intruder Alarm System. This simple to install system has been designed with the user in mind.

Two window stickers are included in the pack. Please stick them in a front and rear window.

No connections

All the components are self contained and no connections are needed between the units. There is no need to damage the home decor, lift carpets or run cables.

Number of devices

You can install up to 20 devices in the system. As well as extra door/window contacts, PIRs and smoke detectors, you can add keyfob remote controls and keypads for added control convenience.

Long battery life

There is no need to wire into the mains supply or seek the services of a qualified electrician. The control unit is powered by a plug top supply and all other components are powered by battery (all batteries included).

Batteries will operate for up to 3 years before they need changing. Regular testing and battery changes (when notified by the system) will ensure reliability and peace of mind. Please note that alkaline batteries must be used as replacements.

Tamper proof system

The security detectors, control panel and external siren are 'tamper' protected. Any unauthorised tampering with these items will result in an alarm. This feature can be turned off by the user when a battery change is required.

Unique monitoring

Home Manager is a revolutionary web-based monitoring service that turns the average house into an intelligent home, and helps you protect your home and family against:

¥ Fire
¥ Flood
¥ Burglary
¥ Power failure
¥ Physical threat
¥ Doorstep aggression
¥ Falls by the elderly or infirm

The Home Manager monitors your home, automatically raising the alarm by text message, voice call and e-mail to up to 6 people of your choice if something unexpected occurs, as well as the internal and external alarm sirens activating.

In addition, the monitoring service allows you to have complete control of your alarm system over the internet, with event logs, arm/disarm facility and safe at home functions. These are innovative features that offer flexibility and control that you would expect in this day and age.

Take care of your safety

Display extreme caution when using ladders or steps, please follow manufacturer s instructions.

Be careful when using hand and power tools and follow the manufacturer s guidelines when using them. Take care that the correct tools are used. Wear goggles or protective clothing where required.

The external Siren is extremely loud, please ensure you replace the cover and retreat to a safe distance before testing.

Warranty

Please complete and return the warranty card. Yale offer extended periods of warranty, please see warranty card for details.

Calling for help

Yale have a helpline team who are there to offer advice or solve problems over the phone.

Helpline 01902 635998

Helpline service available 9am-5pm Monday to Friday.

Caution

The dialling facilities must only be used with persons who have consented to being contacted by the system.

The system is not to be used to make 999 emergency calls directly. Yale do not hold responsibility for any actions taken by emergency services for incorrect use of the dialling facility.

Contents

Recommended installation sequence

We recommend you follow the simple install sequence, headings numbered 1-5.
Subsequent sections provide:

- Use of additional accessory devices including keypad and keyfob remote controls
- Telephone connection
- Advanced protection and features

Carton contents

- Control panel & mounting bracket
- External siren,
- 2 x Passive infrared detector
- 2 x Door contact
- 1 x Flood detector
- 1 x Smoke detector
- 3-metre telephone cable
- Double socket line adapter
- 500mA 9V power adapter
- 2 x Door contact magnets
- 2 x Large adhesive pads
- 2 x Small adhesive pads
- 6 x 1.5V AA alkaline batteries
- 8 x 1.5V AAA alkaline batteries
- 1 x 12V MN21 alkaline battery
- 4 x 1.5V D alkaline batteries
- 6 x fixing screws ½ x No 6 Phillips round head
- 4 x fixing screws 1 x No 8 Phillips round head
- 8 x small wall plugs
- 4 x fixing screws 2 x No 8 Phillips round head
- 4 x fixing screws 2 x No 10 Phillips round head
- 10 x medium wall plugs
- Instruction booklet
- Home monitoring user guide
- 6 x contact cards
- 2 x window stickers
- Intamac user guide

Contents

Accessories available

HSA3010 Door/window contact
HSA3020 Passive infra-red (PIR) detector
HSA3030 3 x Passive infra-red (PIR) detectors
HSA3045 Help button
HSA3050 External siren
HSA3060 Remote control (keyfob)
HSA3070 Smoke detector
HSA3080 Remote keypad
HSA3090 Multiple door/window contact switches

1 Location planning

Work out the best places to locate the devices for maximum protection. Having chosen the locations *do not mount at this stage*.

Home and away mode planning

The home arming mode allows the premises to be part armed so that no one can get inside without warning the occupier, yet the person already inside the house can move freely without triggering the alarm. For example the downstairs of a house can be armed while upstairs can be disarmed allowing the user to go to bed without causing an alarm.

If this feature is to be used, then it should be planned now, before installation.

Decide what areas can be occupied when in home arming mode, the sensors for these areas should be programmed to home omit; and the sensors activated on the path to access the control unit should be to be set to home delay as explained in Further programming (page 22).

Operating range

All devices must be within 30 metres of the control unit and must not be mounted on or near large metal objects. Avoid obvious sources of electrical interference such as fridges and microwave ovens.

Tamper switches

When mounting devices ensure that any tamper switches close fully. On uneven surfaces it may be necessary to place packing behind the switch for reliable operation.

Extend the system

Extend the system in the future to increase your security or as your needs change.

For example, add extra PIR detectors and extra door/window contacts.

Keypad remote control accessory

When used as second keypad, it is ideal in bedrooms or at the top of a stairwell so the ground floor can be armed when going to bed for the night. Or, at a side or back door for alternative entry.

- ¥ Mount at chest height for ease of use
- ¥ Designed for indoor use only
- ¥ Keypad should be accessible from a protected entry/exit point
- ¥ Ensure that the keypad is not visible from the outside of the premises.

Flood detector

- ¥ Mount flood detector higher than the detection probes so that it does not get wet when detecting a flood
- ¥ Use clip to position probes where water is likely to be detected, for example the side of a washing machine or dishwasher

Help button accessory

The help button provides extra protection for you and your family. When help is needed the button can activate your alarm immediately - even when the system is disarmed.

- ¥ Mount on bedroom wall or by the front door
- ¥ Not clearly visible to an intruder
- ¥ Easily accessible
- ¥ Out of reach of children

Smoke detector

¥ Mount on the ceiling at the top of a stairwell, or where smoke would most likely be detected.

Siren

Choose a position on an external wall where the siren would be most prominent. Mount as high as possible, out of easy reach.

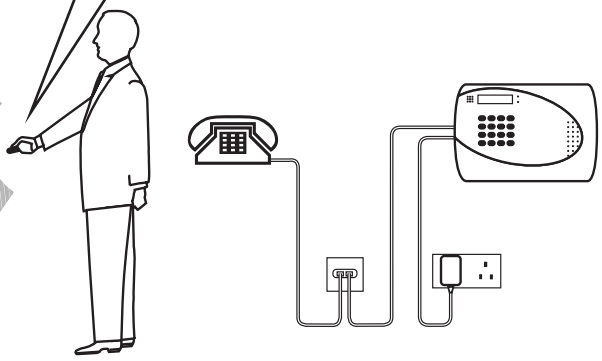
Door/Window contact

Select a door that will be the main point of entry and exit, usually your front door.

¥ Mount as high as possible
¥ Do not aim a PIR at this door or window

Keyfob remote control accessory

Can be used inside or outside the property and can be kept on your keyring.



PIR movement detector

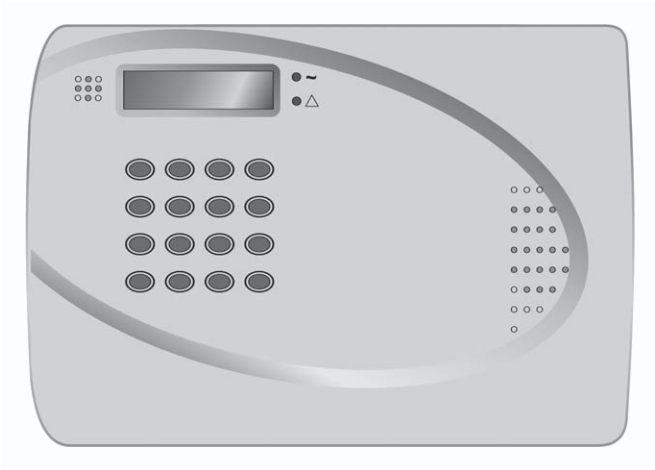
¥ Mount in a position such that an intruder would normally move across the PIRs field of view.
¥ Height should be between 1.7 and 2.3 metres above floor level.
¥ Location in a corner will ensure wider room coverage.
¥ Do not mount the PIR where its field of view will be obstructed e.g. by curtains, ornaments etc.
¥ Do not point directly at sources of heat e.g. fires or boilers, and do not position directly above radiators.
¥ Avoid mounting the PIR directly facing a window.
¥ Do not point the PIR at a door protected by a door/window contact.

Control unit

¥ Ensure the control unit is accessible when entering through a protected entry/exit point.
¥ Avoid mounting the control unit where it would be visible from the outside of the premises
¥ Locate by a mains socket and telephone point.

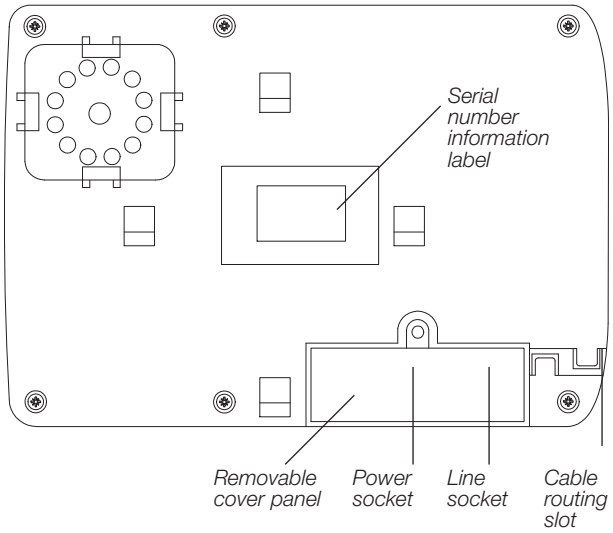
2 Unpack all the parts

The easiest way to get to know the system and get it up and running quickly is to get all the devices and accessories programmed on a table top before locating and mounting them.



Control unit

Plug the power adaptor into the mains supply wall socket and the other end into the control unit. A long beep will be heard

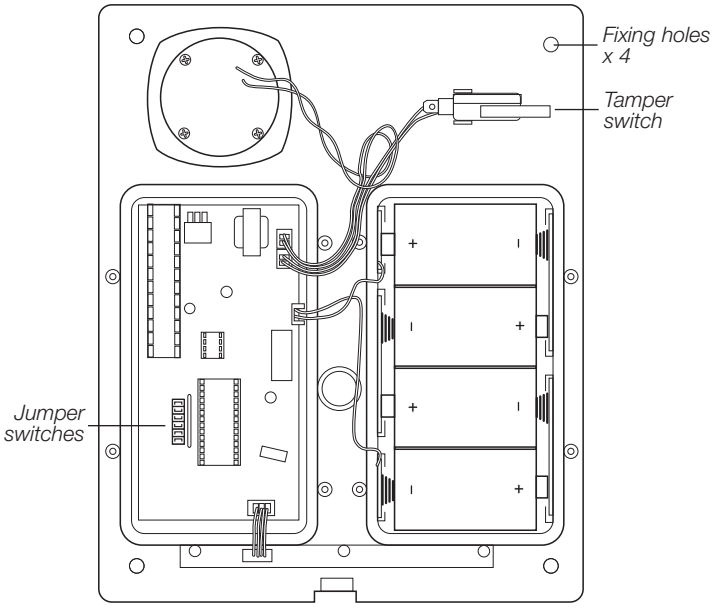


- In addition to the adapter, there is a rechargeable battery inside the control unit that serves as a back up in case of a power failure. When the battery is fully charged, it can provide back-up power for a period of at least 8 hours. It takes approximately 48 hours to fully charge the battery. The control unit is equipped with a backlit LCD display and keypad for easy operation in dark. When mains power is missing, to conserve the rechargeable battery, the backlit feature will be disabled until mains power is again supplied.
- Do not connect the telephone line until section 6.
- Please make a note of the 16 character serial number, located on the back of the control unit and enter into the Intamac Home Manager™ guide.

Siren

WARNING: The siren is very loud, be prepared! Take care not to activate the siren unnecessarily.

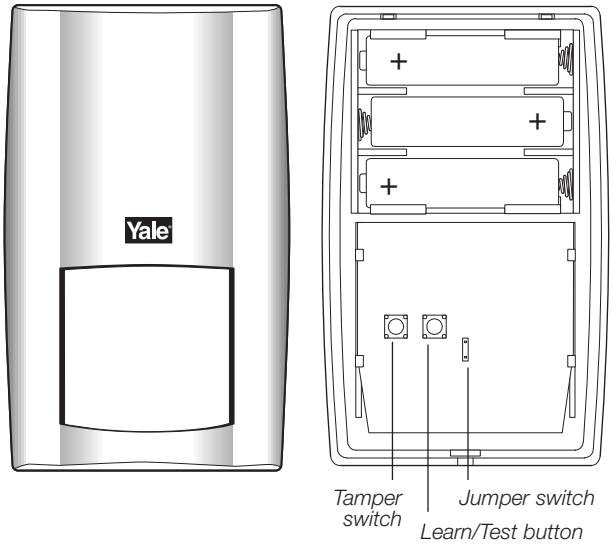
1. Remove the cover by unscrewing the single screw located at the bottom.
2. Remove the covers of the two internal compartments.
3. Insert the four D batteries as shown. There is a slight pause while the unit initialises. The siren will then beep and the LEDs flash.



PIR movement detector

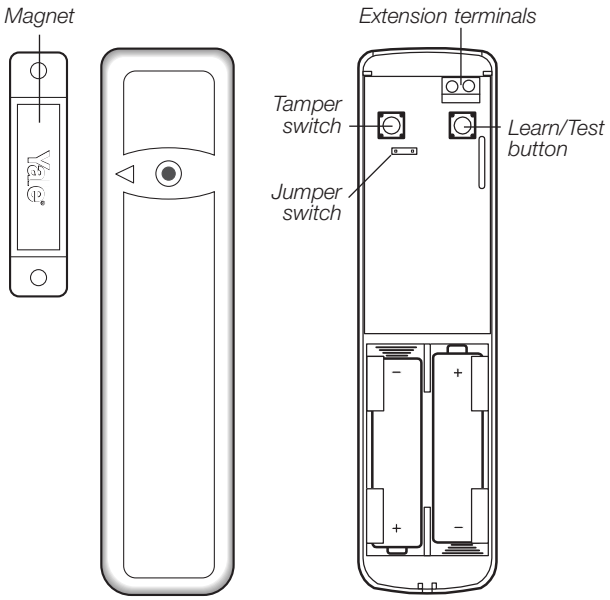
Remove the fixing screw and cover assembly and insert the three AA batteries as shown.

¥ The light steadily flashes for 30 seconds while components initialise.



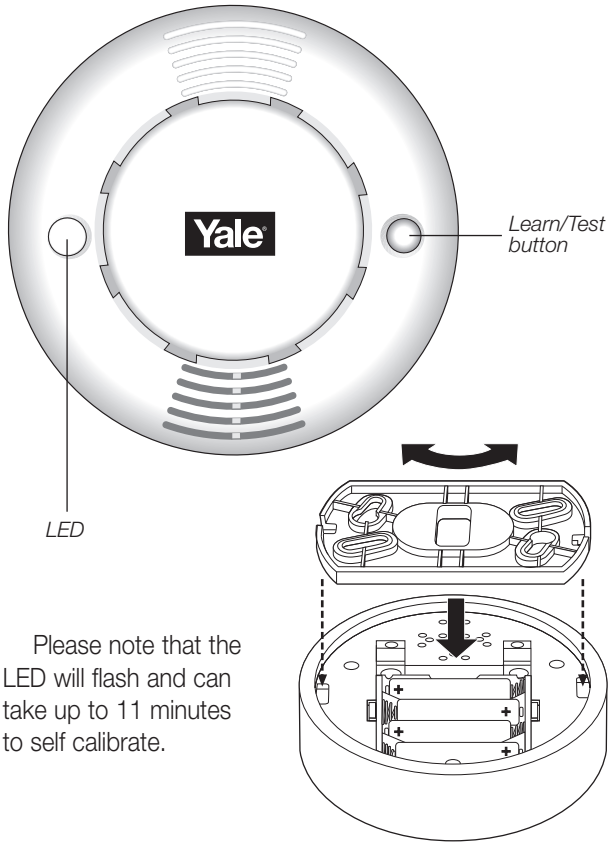
Door/window contact

1 Remove the cover by loosening the fixing screw.
2 Insert the two AAA batteries as shown.
The indicator will flash briefly.



Smoke detector

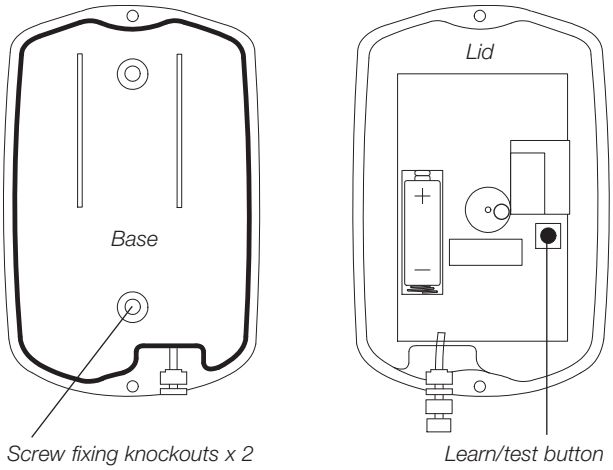
Twist off the back and insert the 4 AAA batteries as shown.



Please note that the LED will flash and can take up to 11 minutes to self calibrate.

Flood detector

Unscrew the two screws and insert 12V battery.



Note: The detector will not respond to inserting the battery until the learning in procedure is completed.
To test the detector is working simply bridge the water sensor probes with a coin, an internal siren will sound.

3 Easy install programming

The easiest way to get to know your system and get it up and running quickly is to get all the devices and accessories programmed *before locating and mounting them.*

Control panel

When the power is connected to the control panel a long beep will sound and Alarm On will be displayed on the first line and 00:01 01 Jan displayed on the second line of the screen indicating the system is armed in Away mode.

Disarm

To deactivate the alarm to enable you to programme the system.

1 Key 1, Enter Code is displayed.
2 Key in 234 to complete the preset factory code. Please note that if you fail to put the code in within 30 seconds the system will default back to alarm mode and the process will need to be repeated but entering the code 1234.
3 Press OK and the display will show Alarm off and the default time and date.
4 The system is now disarmed.

¥ If no code has been entered for a while, the display will revert back to the original screen.

Introduction to programming

Entering a new PIN code will introduce you to the ease of programming the system.

Set your PIN code

The control panel offers 3 levels of security;

¥ 6 User PIN Codes to enable each member of the family to use their own unique code.
¥ A program code to enable the user to enter the programming menu.
¥ A Temporary Code.

1 Press # (program key).
2 Enter 1111.
3 Press OK.

Program menu/Make a Selection appears briefly, which is then replaced by a list which can be scrolled up and down using the arrow keys. The action to be selected has a pulsing symbol alongside.

4 Use the down arrow key to select General Settings .
5 Press OK to select this sub-menu.

The first item in this list is Pin Code which we require.

6 Press OK to program first PIN code.
7 The system asks you for a new PIN code. Think of one you can remember and key it in. Don t forget it, write it in System records page 19.
8 Press OK.
9 Confirm by keying in your PIN code again.
10 Press OK. If the incorrect code is entered, a message prompts the previous step.
11 The display now offers Latch Rpt Off or Latch Rpt On option.
12 Use the down arrow key to select Latch Rpt Off .
13 Press OK.
14 Enter name of user. You can enter up to 10 letters.
15 Press OK.
16 The screen returns to the PIN Code menu showing post-programmed status of each user PIN Code.
17 Proceed to set additional user PIN Codes as instructed from step 9 - step 18. When done, press ↩ and the display returns to general settings menu.

Most programming functions work in this way, by entering your code, selecting from menus and sub-menus and responding to the prompts.

¥ During entering the PIN code press the ↩ button to clear the screen and enter new information.
¥ Press ↩ to return to a previous menu.
¥ To return to Alarm off in normal mode, keep pressing ↩ repeatedly.

User naming

Each individual User can be given a name for easy recognition when understanding system events. User Names can be named when first setting them or by editing them afterwards when resetting them, the procedure is similar for both situations.

¥ When the Enter New Name screen is displayed the keypad can be used to enter text. Simply locate the corresponding numeric keys to the desired alphabet symbols and press repeatedly until the wanted alphabets/symbols appear. Release the key and the flashing cursor automatically jumps to the next position for you to continue with the next letter by the same method.
¥ The keys have the following functions:

1	1
2	2ABCabc
3	3DEFdef
4	4GHIghi
5	5JKLjkl
6	6MNOmno
7	7PQRSpqrs
8	8TUVtuv
9	9WXYZwxyz
0	0<space>/-& . +

*	*
#	#
↩	Delete character and backspace

¥ When the name is complete, press OK to confirm and return to the previous or main menu.

Note The name can be erased by clearing the display by entering backward spaces and pressing OK

To delete User PIN code

¥ Except User #1 which is activated by factory default and can t be deleted in any way, User #2, 3, 4, 5 and 6 PIN code can be deleted by following the steps below:

1 Move the cursor to the item Pin Code then press OK the following screen will show the status of each User PIN code:

		1	)	M	R	S	M	I	T	H				
		2	)	M	R	S	.	S	M	I	T	H		
		3	)	*	*	*	*	*	*					
		4	)											

2 Move the cursor to the desired # (2~6) of programmed user PIN code to be deleted, then press OK .

3 Press OK and the screen returns to previous one with the deleted User PIN code marked with ¥¥¥¥

To edit User PIN code

¥ All 6 User PIN codes can be edited freely by the following steps:

1 Move the cursor to the item Pin Code then press OK the screen will show the status of each User PIN code.

2 Move the cursor to the desired # (2~6) of programmed user PIN code to be deactivated/deleted, then press OK .

3 Press ↩ key, the next screen will ask you to enter your new PIN code and repeat it for double confirmation.

4 Follow the same steps as described in Set you own pin code to edit

Setting Temporary code

The Temporary code is used to arm/disarm the system for a temporary user and is valid only once per Arming and once per Disarming. Afterwards, the Temporary Code is automatically erased and needs to be reset for a new Temporary user.

¥ The Temp. Code consists of 4 digits and is not activated as default by the factory.

To set Temporary code

1 Use the arrow keys to select Temp. Code and press OK

2 You can key in your preferred 4~digit number and then press OK

3 You are prompted to re-enter the same code again and press OK .

4 The display now offers Latch Rpt Off or Latch Rpt On options.

5 Press ▲ ▼ keys to select your option and press OK . The screen returns to General Setting menu, setting the Temporary Code is completed.

Note There is no User Naming feature for Temp. Code.

Latch Reporting explained

This facility reports arming and disarming of the system by individual user, this allows you to check who and when someone entered or left the house. This is especially useful to confirm when children arrive home after school. This information is displayed on the monitor screen of your Intamac home manager account. Please see the Intamac home manager user guide Monitoring Your Alarm System .

Safe At Home Service

The Safe At Home Service from intamac will send a message when chosen users enter the house and disarm the system, please see the accompanying Intamac literature.

Note Each latch report will incur a minimum call cost.

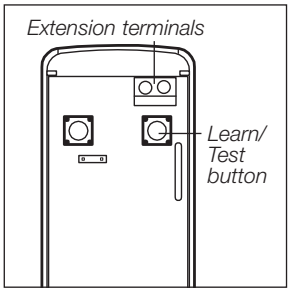
Add the door/window contact

1 Press # (program key), enter your prorgam code and press OK.

2 Select Devices +/- by scrolling down the program menu and press OK.

3 Select Add Devices and press OK.

¥ Display will show Push Button On Device to Add .



4 Press the learn/test button in the rear of the door/window contact.

¥ The control unit will show it has detected the device by displaying Detected: (Ok?) Door Contact .

5 Press OK.

6 You are prompted to select a zone. The control unit displays all the zones available (zones where no device has been added), with the cursor flashing at the first free zone (in this instance zone 1), press OK.

¥ Each device is given a zone number so that the control unit can indicate the source of an alarm.

¥ Door/window contacts can be used in various applications to suit your needs, eg home omit (see Further door/window contact programming page 22). As most systems require a detector on the point of entry, for this example the door/window contact is programmed as an entry detector. When used as an entry detector, with the system armed the door/window contact will start an entry countdown upon activation, giving you time to disarm the system.

7 Select Entry from the list displayed and press OK.

8 Enter Front Door (see User Naming on page 8) and press OK, (if name not required press OK without entering text).

9 The display now shows selected settings: DC Front Door E - door/window contact programmed into zone 1 as an entry point and located on the front door.

10 Press OK.

¥ Press ↩ to return to previous menu.

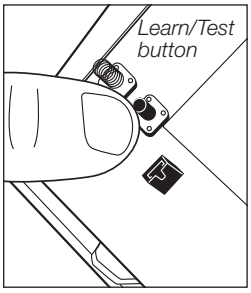
¥ To return to Alarm off (normal mode), press ↩ repeatedly.

Add the PIR movement detector

1 Select Devices +/- by scrolling down the Programming menu and press OK.

2 Select Add Devices and press OK.

3 Press the learn/test button the rear of the PIR.



¥ The control unit will show it has detected the device by displaying Detected: (Ok?) PIR sensor .

4 Press OK.

5 You are prompted to select a zone. The cursor will flash at the next available zone (in this instance zone 2), press OK.

¥ As with the door/window contact, PIRs can be used in various applications to suit your needs (see Further programming page 21). For this example the PIR is programmed as a Burglar detector. When used as a burglar detector, when the system is armed and the PIR activated, the alarm will sound instantly.

6 Select Burglar from the list displayed and press OK.

7 Enter Hall (see User Naming on page 8) and press OK, (if name not required press OK without entering text).

8 The display now shows selected settings: IR Hall B - PIR programmed into zone 2 as a burglar detector and located in the hall.

9 Press OK.

10 Press ↩ repeatedly until display shows Alarm Off .

Add the smoke detector

When the batteries are first inserted, wait for up to 11 minutes for the detector to finish its self-calibration process. When this has finished the detector can be learnt-in as normal.

1 Enter the Devices +/- menu and select the Add Device sub menu.

2 When prompted by the control unit, press the learn test button once on the smoke detector.

3 Assign a zone number to the smoke detector.

4 Enter location name if required.

5 Press OK to confirm.

¥ The smoke detector will indicate a fire by sounding the built-in siren, lighting the LED, and signalling the system to alarm.

¥ The smoke detector will produce a warning beep and the LED will flash every 30 seconds if the batteries are near exhaustion.

¥ The learn/test button can be used to test the smoke detector. With the control unit in walk test, press the learn/test button, the detector will

sound a two-tone confirmation and the control unit will confirm. Please ensure that you test smoke detectors regularly.

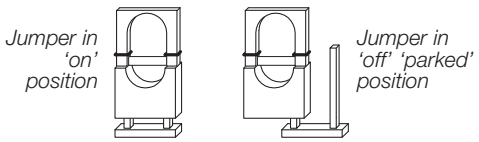
Add the flood detector

1 Enter the Devices +/- menu and select the Add Devices sub menu
2 When prompted by the control unit, bridge the water sensor probes with a coin so that a continuous alarm can be heard and then press the learn button on the printed circuit until 3 beeps are given.
3 Assign zone number and press OK.
4 Enter zone location if required.
5 Press OK.

Use of jumper switches

Some devices have internal switches, or jumpers , which control working modes, or offer additional programming. The jumpers are either on or off . On is when the jumper connects two pins, off when it is removed. It can be parked on one pin as shown.

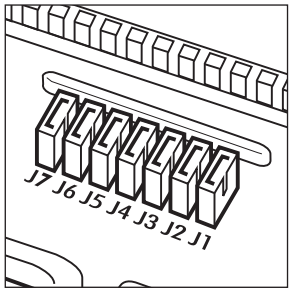
Add the siren unit



WARNING

The siren is very loud, be prepared! Take care not to activate the siren tamper switch unnecessarily.

The siren is programmed by the jumper switches in the left hand compartment.



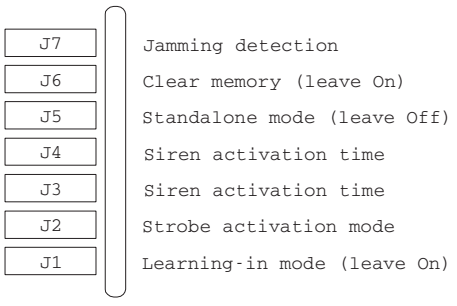
1 Lift off jumper number 1 and park it. The siren will beep and flash. The siren is now in learn mode.
2 Lift off jumper 5 and park it. This must be left in the off position permanently.
¥ If jumper 3 and jumper 4 are removed during the learning-in process, the siren will only be activated for 1 second if accidently activated and is useful for testing. Ensure the jumpers are placed into the positions desired before replacing the cover.
3 Program the control unit by selecting Devices +/- menu, then Program Siren menu, then Learn Siren .
4 Press OK and the unit will give a long beep to confirm - the siren will also respond by a beep and a flash.
5 Replace jumper 1 to the on position, the siren will beep and flash to confirm.
6 To ensure siren does not activate, disable the tamper switch by selecting Program Siren menu on the control unit, then Siren A/T Off , and press OK.
¥ The siren disable tamper will automatically revert to on after about an hour if not switched back on again manually by selecting Siren A/T On .
¥ Press ↩ to return to a previous menu.
¥ To return to Alarm off in normal mode, keep pressing ↩ repeatedly.

Further siren programming

The siren can be configured to your personal requirements by the use of jumpers.

Siren jumper programming

Jumper positions



J7 on = jamming detection off ;
off = jamming detection on

J6 on = normal, J6 off = clear memory

J5 on = stand alone operation, not used in this system;
off = slave operation

J3 on, J4 on = 3 minute siren on period
J3 off, J4 on = 5 minute siren on period
J3 on, J4 off = 10 minute siren on period

J2 on = LEDs on during siren period;
off = LEDs remain on (after an alarm) until system is disarmed

J1 on = normal; off = learn-in mode

¥ Jumper 5 must be left in the off position.
¥ J6 must be left on in normal service otherwise the siren will lose its learn-in memory when the batteries are replaced.

¥ With J7 off , jamming by radio interference is detected when continuously present for more than 30 seconds and activates the siren only when armed.

7 Replace the battery and electronics compartment covers, ensuring the gasket between the electronics compartment and cover is correctly located and the wires placed in their slots to ensure a good seal from the environment.

Tamper alarm

If the siren detects a tamper condition it will activate the siren for the programmed period. If the tamper condition persists the siren will sound a series of five pips either every time the system is armed or when the tamper is enabled, to indicate the condition.

Confirm Programming

The siren can be programmed to produce additional confirmation beeps to tell you when the system is armed and disarmed from outside the premises. One beep for armed or home armed, two beeps for disarmed.

1 Program the control unit by selecting Device +/- menu , then Program Siren menu, then Confirm On .

2 Press OK and the unit will give a long beep to confirm - the siren will also respond with a beep.

Zone already allocated

Each device can only be given one zone number. When a sensor is added to the system for a second time (without removing first) an error message is displayed and then the screen will prompt new action.

Remove a device

If a faulty sensor needs to be replaced, it first needs to be removed from the control unit s memory.

Adding a new sensor to a used zone is prevented until the previous sensor is deleted. To delete a sensor, choose Remove Device in the Device +/- menu, all the used zones with the sensor names are listed.

1 Use arrow keys to move the cursor to the position where the device listed is to be deleted.

¥ The list is displayed in zone number order.

2 Press OK. The selected device will be displayed for you to confirm.

¥ Press ↺ to exit if you do not want to delete this device, the screen will return to the previous list.

3 Press OK to delete.

Radio jamming

This control unit and siren are equipped with the latest type of radio receiver using AM radio technology. If interference detection is set to on in the siren, when the system is armed, any criminal attempt to prevent (or jam) the detector transmissions will be picked up as interference and will cause the siren to alarm. The control unit can be set to display and report (by dialling out, not sounding alarm) when interference is detected.

If the alarm is frequently triggered by interference there may be high levels of unusual radio signals in your area. Some kinds of electronic equipment can generate this kind of radio interference.

In the unlikely event of you experiencing problems with interference, it is recommended that you switch jamming detection off.

Please telephone our helpline if you require any further assistance.

Installation/mounting

4

WARNING To prevent the alarm from activating during installation, the siren must have its tamper disabled and the control unit must be in Walk Test /Program mode.

Mounting methods

Yale provide two methods of mounting. Choose either the self adhesive pads or the screws and wall plugs supplied.

Self adhesive installation *for door/window contact*

Clean the surface with a suitable degreaser. Remove the protective covering from one side of the double sided adhesive pad and firmly apply to the back of the device. Next remove the other cover and firmly press the item onto the desired location.

¥ Do not use the adhesive pad method of installation on a surface with peeling or cracked paint, or on a rough surface.

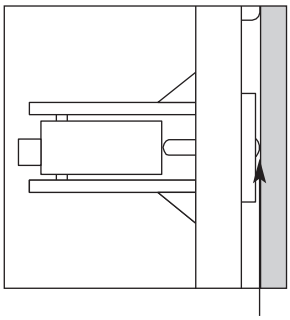
Screw mounting

Remove the front of the device, and, if necessary, break through the appropriate knockout (where the plastic is thinner).

Using the holes as a template, drill holes in the surface and insert the wall plugs if fixing into plaster or brick.

Siren

WARNING: The siren is extremely loud!



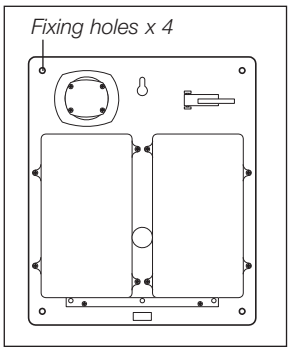
Tamper switch plunger must be pressed in fully by wall surface

The tamper switch plunger protrudes through the back of the unit, so that if the siren is pulled from the wall the alarm is activated. Ensure it is fully depressed when the siren is mounted. If there is a gap, pack with a suitable spacing material.

1 Find suitable location, as previously described in section 2.

2 Disable the tamper switch by selecting Program Siren menu on the control unit, then Siren A/T Off , and press OK.

3 Using the large screws provided, mount on wall through the base plate mounting holes shown.

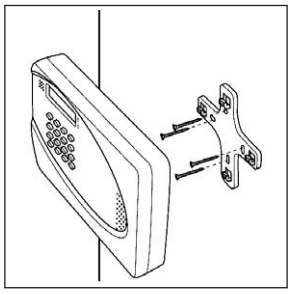


4 Fix the siren cover with the securing screw.

5 Enable tamper switch by selecting Program Siren menu on the control unit, then Siren A/T On , and press OK.

6 Test by arming and disarming with the control unit. If 5 pips sound the tamper is not correctly set.

Control unit



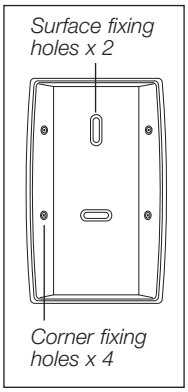
Using the four holes of the wall mounting cross bracket as a template, mark the positions of the holes. Drill four holes and fix the screws and plugs provided. Screw the bracket to the wall. Hook the control unit onto the bracket.

Ensure the control unit is fitted at approximately chest height where the display can be easily seen and the keypad convenient to operate.

PIR movement detector

The PIR has a built-in sleep timer to save battery power. If there is no movement in front of the PIR for 1 minute, the PIR will become ready to signal and any movement will now be reported. The PIR will sleep for 1 minute after. Any movement detected in sleep time will not be reported and will extend the sleep period by 1 minute.

Ensure the test/normal mode jumper switch is in the test on position. This reduces the sleep time to a few seconds and enables the LED to flash every time movement is detected.



1 Screw the rear case to the wall using the appropriate knockouts, as described in Mounting methods . The case has angled back edges for neat corner mounting. If mounting in a corner take care not to bend the rear case. Screw the PIR front on.

2 Walk around the protected area noting when the LED flashes and check that the detection coverage is adequate.

¥ Remember to wait a few seconds after the PIR has detected movement.

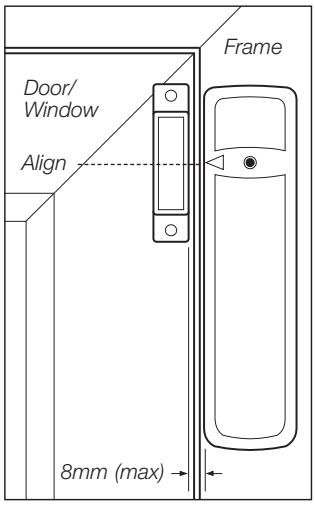
¥ Do not try to test the detection pattern by walking straight up to, or away from the detector, walk across the field of view.

3 When you are satisfied with the detection coverage, remove the PIR, place the jumper in the normal off parked position and screw the PIR back on to its case.

¥ With the jumper in the normal position the LED will not normally light unless there is a problem, either a low battery or a tamper condition. In the event of a low battery, replace the exhausted batteries with fresh alkaline replacements.

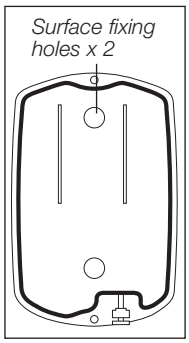
¥ Do not position a PIR to look directly at a door protected by a door contact, this could cause the door contact and PIR radio signals to be transmitted at the same instant when entering, cancelling each other out.
¥ Ensure the jumper is in the normal off position when testing is finished, otherwise low battery and tamper conditions will not be shown.

Door/Window contact



1 Ensure the jumper switch is in the test on position.
¥ In this position the indicator light will illuminate every time the door contact is operated.
2 Fit as described in Mounting methods , mounting the detector base on the frame and aligning the magnet by the arrow as shown.
¥ The magnet should not be more than 8mm from the detector when the door is closed.
¥ Ensure the tamper switch spring is positioned so that it makes contact with the mounting surface through the tamper switch aperture.
¥ If the door contact cannot be mounted on the door frame, use the HSA3090 multiple door/window contact accessory kit with a length of wire to mount the door contact remotely (see page 17).
¥ When fitting to a window, fix the magnet to the moving part and the detector to the frame.
3 Fix the detector on its base and secure with screw. Test it by opening and closing the door or window. The light will flash when an open condition is detected.
4 Remove the detector, put the jumper switch in the normal off position. Screw the detector back onto its base.
¥ When the jumper is in the normal off position the indicator light will normally be off. It will only light if there is a problem, either a low battery or a tamper condition.
¥ Ensure the jumper is in the normal off position when testing is finished, otherwise low battery and tamper conditions will not be shown.

Smoke detector



1 Unscrew the fixing plate from the smoke detector by turning the plate anti-clockwise.
2 Using the two holes of the ceiling mounting bracket as a template, mark the position of the holes.
3 Drill 2 holes and fix into place with the 2 screws and plugs provided.
4 Hook the smoke detector onto the bracket and secure by turning in a clockwise direction.

Flood detector

1 Use the two fixing holes on the product as a template, mark the position of the holes.
2 Drill 2 holes and fix into place with the 2 screws and plugs provided.

Installation is complete.

Testing the system

5

Testing the system should be done on a regular basis and after any alterations.

PIR sleep feature

The PIR has a built-in sleep timer to save battery power. If there is no movement in front of the PIR for 1 minute, the PIR will become ready to signal and movement will now be reported. The PIR will sleep for 1 minute after. Any movement detected in sleep time will not be reported and will extend the sleep period by 1 minute.

Walk test

This allows you to test the system without causing an alarm.

1 Press # followed by your Program code.
2 Press OK.
3 Select Walk Test .
4 Press OK and wait for control unit self test period to finish.

¥ Walk around protected areas in front of PIR s and open doors/windows protected by door contacts.
¥ If the control unit receives a signal, it will sound a chime and the display will show the sensor and zone number which has been tested.
¥ The message will be displayed until being replaced by another test signal.
¥ Pressing the ↩ key, will return to programming menu.
¥ If left in walk test, the control unit will revert back to Alarm off after 5 minutes.

Testing the siren

The siren can be tested by arming and disarming the system, the siren will respond as follows:

¥ When the control unit is armed the siren will beep once (if siren confirm is switched on) and will flash after the Exit delay period has expired.
¥ When the control unit is disarmed, the siren will give two short beeps (if siren confirm is switched on) and will flash from side to side twice.

6 Connecting to the Intamac Home Monitoring™ service

Connect to the online home monitoring and messaging service, with your free 12 months subscription.

Call or register online with Intamac

Telephone Intamac on 0845 230 0708 during working hours (Mon-Thurs 9am-5pm, Fri 9am-4pm) or register online. You will need to provide the information listed in the Intamac home user guide Registration Information Table on page 3

Upon verification, Intamac will then provide you with your account number and a password/username to log onto your secured Internet area.

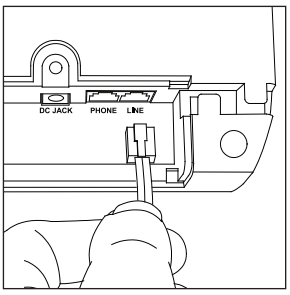
To complete the connection to the Intamac Home Manager“ service you will need to input your account number into the control unit.

1 Press #.
2 Enter Program Code.
3 Press OK.
4 Select General Settings.
5 Scroll down using arrow keys to Acc. Numbers.
6 Press OK.
7 Insert your unique account number.
8 Press OK.
9 Scroll down to Rpt On/Off.
10 Press OK.
11 Select Reporting On.
12 Press OK.

Please refer to the Intamac Home Manager“ user guide on how to make full use of this service and if the connection has been successfully made.

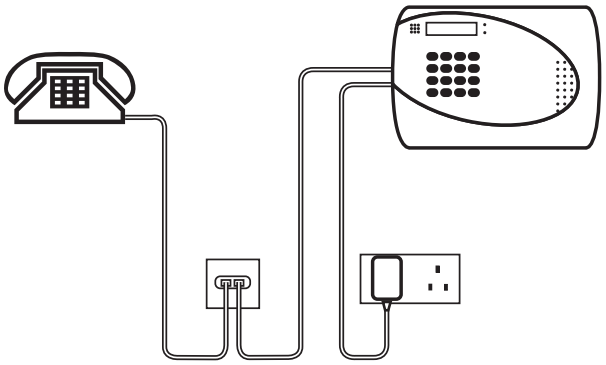
Connecting your alarm - Telephone connection

A telephone lead and 2-way adaptor is included so you can have your telephone and the control unit connected to the telephone network at the same time.



1 Plug the 2-way adaptor into the telephone wall socket.
2 Plug one end of the telephone lead into the control unit and the other end into the adaptor.
3 Plug your telephone into the 2-way adaptor.

¥ The control unit will not be able to telephone out if any handsets are accidently left off, or if someone is ringing in.
¥ If you are using an answer machine on the same telephone line as the system please ensure that the answer machine is not set to respond to incoming calls on the first ring.
¥ If you do not wish to use the monitoring features of the system it is not necessary to connect the telephone lead to the control unit.



Using the system

7

Arm and disarm the system and practice using it. Trigger the alarm by arming the system and opening protected doors/windows and walking past PIR s. Now is the time to show the rest of the family how simple it is to use. The telephone features are yet to be programmed.

Arming the system

Away arming

1 Enter your PIN code and press OK.
2 Arm and Home can be selected by using the arrow keys, select Arm .
3 Press OK. The exit delay is displayed and counts down from the default setting of 30 seconds. The control unit beeps (unless exit sound has been switched off).
4 When the time is up, the control unit sounds a long beep. Alarm On is displayed and the system is armed.

¥ The siren will beep once (if siren confirm has been switched on), and the strobe will flash once after the Exit Delay has expired.

Home arming

1 Enter your PIN code and press OK.

¥ You have a silent exit period in which to vacate the armed area. This exit period is the same as used when fully arming.

2 Press ▼ to move the cursor down to select Home.
3 Press OK.

¥ You can also put the system into the home mode by using the keypad or keyfob accessory.

Stopping the exit delay

Do this by disarming the system.

1 Press ↩ .
2 Enter the PIN code.
3 Press OK.

Alarm Off will be displayed and the system returns to disarmed mode.

Partial (by-pass) arm mode

The Partial (By-pass) Arm mode allows the user to de-activate (by-pass) any sensors at their discretion. This feature allows your home to be armed yet the person inside the house can move freely in the area where the sensor is by-passed.

1 Enter your PIN code and press OK within 10 seconds.
2 Press ▼ to move the cursor down to select Bypass .
3 Press OK .
4 All the zones are listed in zone number order.
5 Press ▼ , ▲ keys to select the zone to be by-passed.
6 Press OK to confirm the selection. The selected zone will be marked with a * character in front of it to indicate that device is to be by-passed.

Note The zones can be toggled between by-passed and not by-passed by pressing the OK key repeatedly followed by the * character appearing for By-pass setting and * character disappearing for By-pass unsetting.

7 You can repeat Step 5 ~ Step 6 to continue selecting the device to be by-passed.
8 After all the sensors to be by-passed have been selected, press ↩ to return to user menu and the cursor stays at Arm .
9 Press OK to select Arm and to arm the system.

Note If a censor is by-passed, then the Control Panel will not respond to its triggering Arm mode

¥ The by-pass setting is effective for only one time, once the system is disarmed, the by-pass setting is cleared automatically.

¥ When a sensor is by-passed, the system can be armed directly regardless of its fault situation (if any). However, its fault situation is still being monitored and will be logged and displayed when you access the Log .

Disarming the system

1 Enter your pin code.
2 Press OK. The control unit will sound 2 short beeps and disarm.

¥ The siren will beep twice (If siren confirm has been switched on) and the strobe will flash from side to side after the system has been disarmed.

Alarm activation

If a sensor is triggered when armed, or if an entry period is left to expire, the control unit will activate the alarm immediately, while if a Home Omit sensor is triggered, the control unit will not respond if in home mode.

If a 24-hour alarm, fire alarm, personal attack, alarm tamper or medical emergency is triggered, the control unit will activate the alarm immediately irrespective of what armed mode the control unit is in.

During an alarm, the control unit will sound the siren and contact the monitoring station.

If a tamper alarm is activated when the panel is disarmed the system will dial out, and the siren will be on but the alarm message will not be displayed.

Stopping the alarm

A flashing ALARM! will be displayed and the

system will sound an alarm.

1 Key in your PIN code, and then press OK, the audible alarm will stop.

¥ If the alarm is silenced before reporting has finished the control panel will show Reporting - - - pls wait and you will be prompted to press OK to carry on, when the reporting is finished.

2 The control unit will then show alarm log, press OK to clear and reset.

If an alarm is silenced using a remote keypad or keyfob, the system will only be silenced and disarmed. The system can only be reset to resume normal operation after an alarm event at the control panel.

Alarm memory

If an alarm was raised during your absence, and the alarm sequence has been carried out, the screen will continue to show ALARM!

When you come back and disarm the system the siren will sound a 3-second alarm instead of the normal 2-beep sound.

To clear the display, follow the same steps as stopping the alarm described above.

Warning If the siren is activated for 3-seconds when you disarm your system there could be an intruder still in your premises.

Force Arming

When you try to arm the system by Entering the PIN Code, if any fault situation has occurred before, the display will show Fault Dsp and a list of faults will be shown when OK is pressed.

¥ If you move the cursor to Away Arm position and then press OK , the Control Panel will sound a ding-dong warning sound to indicate arming is prohibited, and the message Fault DSP is displayed in the middle of the top display row and alternate at 2-second intervals with individual fault events

Note In the same situation, if you arm the system by pressing the Arm button on the Remote Controller, the Control Panel will response in the manner as described above the arming is also prohibited.

¥ At this moment, you can first rectify all of the problems and then clear the Fault display (Please see section XI In a Fault Situation), and then afterwards you can arm the system

¥ However if you want to put the system into Arm mode with the fault situation persisting, it is still possible by following the procedures below.

1 Enter your PIN code and press OK.

2 You will be prompted to see if the forced arm is OK, to confirm press OK again.

3 The exit delay is displayed, when the time is up, the control panel sounds a long beep. Alarm On is displayed and the system is armed.

Event Log

The alarm memory remembers the last 20 system events including

All Alarm Events with Device ID

All Fault Warning Events

All Arming And Disarming Events

¥ The logged events are display in reversed chronological order, (most recent event first).

¥ The log is marked with a Start label before the most recent entry and End after the oldest entry.

¥ To View Log:

1 Key in the user code and press OK while in Disarm mode to access User s Menu

2 Press the ▼ key repeatedly to select Log and then press OK and the start of the log will be displayed.

3 The log can now be scrolled up and down and viewed with the ▲ , ▼ keys. The most recent event will be at the start.

4 An example of logged event is given below where the first line tells the time and date of the event, the second line tells the type of event and the third one either states the User or the device that caused the event. Abbreviation as DC stands for Door contact, LB is short for low battery, Tamp means Tamper where Rest is short for restore.

Tamper display

The control unit will identify the device triggering

a tamper alarm when the system is disarmed. To enable the display to be cleared a tamper condition has to be rectified. For example, if a detector has been tampered the display can only be cleared once the detector tamper has been closed. The display is cleared by entering your PIN code, pressing OK, and exiting the Arm Home display by pressing ↺.

Please note that detector tampers will trigger an alarm even when the system is disarmed. If you wish to take down a detector that has tamper protection ensure the control unit is in Walk Test mode.

Low battery display

When a detector s batteries are running low, it will signal its condition to the control unit when it is activated. To be able to clear the display the batteries in the detector will have to be changed. Always use alkaline batteries as replacements and ensure the control unit is in Walk Test when taking down detectors. After changing batteries, once the detector is activated (out of Walk Test mode), the display can be cleared as described in Tamper display .

8 Configuring your system

Fine tune the operation of the control panel to your requirements; advanced programming for PIRs and door/window contacts.

General settings menu

Pin code

To change PIN code, follow steps in Easy install programming .

Temporary code

To change Temporary code, see steps in Easy install programming section page 8.

Duress code

To change Duress code, see steps in Easy install programming section page 8. This code will arm and disarm the system as normal, but will signal a personal attack alarm to Intamac.

Programming code

To change Programming code, see steps in Easy install programming section page 8. This code provides access to all the programming functions of the alarm, so it must be kept secure.

Away entry time

Enables you to alter the entry delay time. Options available are 0 sec., 10 sec., 20 sec., up to 70 sec. in 10-sec increments.

1 Use the arrow keys to switch between options.
2 Press OK to confirm.
Note: 20 sec. is set as factory default.
Entry delay time applies only to the zone that a door contact or PIR is installed and is set to entry point.

Away exit time

Enables you to alter the exit delay time. Options available are 0 sec., 10 sec., 20 sec. up to 70 sec. in 10-sec increments.

1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: 30 sec. is set as factory default.

Home entry time

Enables you to alter the entry delay time. Options available are 0 sec., 10 sec., 20 sec., up to 70 sec. in 10-sec increments.

1 Use the arrow keys to switch between options.
2 Press OK to confirm.
Note: 20 sec. is set as factory default.
Entry delay time applies only to the zone that a door contact or PIR is installed and is set to entry point.

Home exit time

Selects the time delay to allow leaving the protected area of a house when home arming. Zero (no delay to 70 seconds can be selected in 10-second intervals.

1 Use the arrow keys to switch between options.
2 Press OK to confirm.
Note: 30 sec. is set as factory default.

Control unit siren on/off

Enables you to set the control unit siren (not external siren) to be silent in the event of an alarm.

1 Press arrow keys to select the option.
2 Press OK to confirm.
Note: Siren ON is set as factory default. It is recommended that the control unit siren is left on.

Away exit sound

Switches on, off and the volume of the exit countdown beeps during the exit period when away arming.

1 Use arrow keys to switch between options.
2 Press OK to confirm
Note: Low volume is set as factory default.

Away entry sound

Switches on, off and the volume of the entry countdown beeps during the entry period when entering the house. The system must be disarmed during this period otherwise an alarm will start.

1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Low volume is set as factory default.

Home exit sound

Switches on, off and the volume of the exit countdown beeps during the exit period when away arming.

1 Use arrow keys to switch between options.
2 Press OK to confirm
Note: Low volume is set as factory default.

Home entry sound

Switches on, off and the volume of the entry countdown beeps during the entry period when entering the protected area of the house when home armed. The system must be disarmed during this period otherwise an alarm will start.

1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Low volume is set as factory default.

Door chime

Switches on, off and the volume of the door chime in the control unit when an entry sensor is activated.

1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Door chime volume is set to low as factory default.

Time

Allows you to set the current time (hours and minutes).

1 Hours will flash, use arrow keys to select the hour, 24-hour format is used.
2 Press OK to confirm the hour setting.
3 Now the minutes will flash, use arrow keys to select the minutes.
4 Press OK to confirm.
Note: Time will have to be reset if all power to the unit is lost.

Date

Allows you to set the current date.

1 Months will flash, use arrow keys to select the month.
2 Press OK to confirm the month setting.

3 Now the day will flash, use arrow keys to select the day.
4 Press OK to confirm.
Note: Date will be reset if all power to the unit is lost.

Panel siren

Allows you to set the duration of the siren from disabled (silent) to 15 minutes in 1 minute steps.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: The factory default is 3 minutes.

Siren Delay

Allows you to delay the siren sounding for a set period of time to enable the monitoring service to be called prior to notifying intruder that the alarm has been activated.
1 Press arrow keys to select the option.
2 Press OK to confirm.
3 Select whether you want the siren delayed by up to 10 minutes or disabled.
Note: The factory default is disabled.

Keyfob remote control entry enable

Turns on and off the remote control disarm function.
1 Press arrow keys to select the option.
2 Press OK to confirm.
Note: Remote Control Entry Enable off is set as factory default.
When the keyfob remote entry enable is set to off it will not be possible to disarm the control unit when the system is fully armed unless an entry point device is activated first. This feature is used to ensure that the system cannot be disarmed with a stolen remote control without unlocking a door first.
When the keyfob remote control entry enable is set to on , the keyfob remote can arm and disarm the control unit as normal without activating an entry point first.
A panic alarm cannot be disarmed by a keyfob remote. This prevents an assailant from silencing a personal attack alarm by snatching the keyfob and pressing Disarm.

Interference

Allows you to set the control unit to respond to the presence of radio jamming.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Detection Off is set as factory default. Detection On will enable the display of any interference that is detected for more than 30 seconds and will notify the Intamac Home Manager™ Service. Interference will not cause the control unit to sound an alarm, Radio interference is unlikely, but can effect the operation of the system. Please read Radio jamming (page 12) for more information.

Account Number

This is a 5 digit number issued by Intamac that is unique to your system to identify your control unit when reporting to Intamac Home Manager™ Service.
1 Enter 5 digit number.
2 Press OK to confirm.
Note: This number must be entered to allow reporting to the intamac Home Manager™ Service.

Check-in report

Sends a monitoring signal every 7 days if no other reporting has occurred in that period, proving the integrity of the system.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Check-in reporting is disabled as factory default.

Report On/Off

Turns on and off reporting to the Intamac Home Manager™ Service.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Reporting is switched on as factory default; this must be left on if the Intamac Home Manager“ service is required. If switched off then the system will operate as a standard Bells only alarm system without telephone reporting.

Check Telephone Line

Switches on and off telephone line monitoring that will alert you if the line is disconnected for any reason.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Telephone line checking is switched on as factory default.

Mobility check

Used to monitor movements of the elderly or infirm when the system is disarmed or home armed. If no movement is detected within a chosen interval an alarm is sent to the Intamac Home Manager“ service. Intervals of 4, 8 and 12-hours can be selected.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Mobility reporting is switched off as factory default.

Open/Close reporting

You can choose between O/C Off , this allows you to select latch reporting by individual PIN code and keyfob user (see pages 8, 9 and 23) and O/C On where every Away Arming, Home Arming and Disarming events are reported to the Intamac Home Manager™ service.
1 Use arrow keys to switch between options.
2 Press OK to confirm.
Note: Open/close reporting is switched off as factory default.

Further PIR programming

The PIR can be used in four different ways within the system:
¥ To cause an instant alarm upon detection when the system is fully or home armed;
¥ To be omitted when the system is home armed;
¥ To commence an entry countdown upon detection when the

system is home armed, but cause an instant alarm when fully armed;

¥ To commence an entry countdown upon detection when the system is fully or home armed.

These choices are presented during the learning in process and are summarised by the following codes within the control unit:

B	Burglar	active when control unit is in armed or home mode
D	home Delay	starts entry countdown in home mode only
E	Entry	starts entry countdown when in armed or home mode

PIR operation

The LED does not normally flash when it senses movement. This is to conserve battery power.

If the LED flashes regularly, it indicates that it has either been tampered with, or the batteries are getting low and need replacing.

Further door/window contact programming

The door/window contact can be used in six different ways within the system:

¥ To cause an instant alarm upon activation when the system is fully or home armed;

¥ To be omitted when the system is home armed;

¥ To commence an entry countdown upon activation when the system is home armed, but cause an instant alarm when fully armed;

¥ To cause a fire alarm when activated whether the system is armed or disarmed;

¥ To cause an instant alarm whether the system is armed or disarmed (24-hour alarm);

¥ To commence an entry countdown upon activation when the system is fully or home armed.

These choices are presented during the learning in process and are summarised by the following codes within the control unit:

B	Burglar	active when control unit is armed or home mode
O	home Omit	not active when in home mode
A	home Access	starts entry countdown when in home mode
F	Fire	causes fire alarm upon activation whether system armed or disarmed
H	24 Hour	causes burglar alarm upon activation whether system armed or disarmed
E	Entry	starts entry countdown when in armed or home mode

Points for consideration

¥ In home mode, detectors set as Burglar will cause an alarm when activated, whilst detectors set as Home Omit will not trigger an alarm.

¥ If the system is fully or home armed, detectors set as Entry will start the entry countdown when activated. When disarmed, an entry detector will sound a ding-dong chime from the control unit (if door chime is selected).

¥ If a detector is set as Home Delay it will start an entry countdown when the system is home armed. This setting is useful if your path to the control unit (when used at night) is vulnerable (a stairwell for instance).

¥ After testing the door/window contact and PIR in your chosen locations, please ensure that the jumpers are moved into the off (parked) positions. If left in the on positions battery life will be shortened and it will not be apparent if the detector has a tamper or low battery condition.

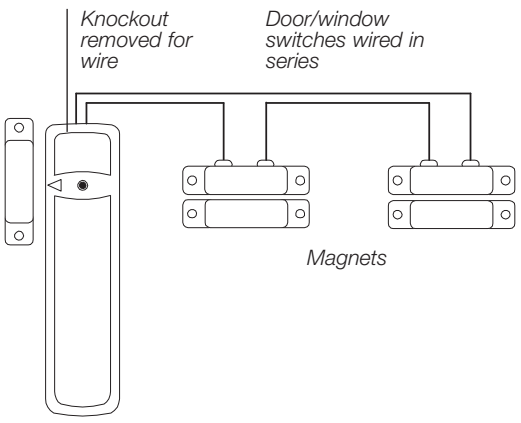
Multiple door/window contact wiring

If difficulty is experienced fitting the door/window contact because of space etc, the HSA3090 multiple door/window contact set should be used (not included).

The magnet/contact pairs are wired using bell wire (not supplied) to the extension terminals as indicated on page 7. The knockout in the top of the door/window contact must be removed to allow the wire to pass through. The total length of wire used must not exceed 10 metres. The magnet/contact pairs should be no further than 8mm apart.

It is possible to use a single pair of multiple door/window contacts with a detector if you experience problems fitting the main unit to the door frame.

When using multiple switches on a door/window contact, you can use the detector without having a magnet alongside the main unit.



Adding accessories

9

To provide additional protection you can add extra door/window contacts, PIRs, keyfob remote controls, keypad remote controls, help buttons and smoke detectors. These are available separately from your local stockist.

Keyfob remote control accessory

Programming

Learn in the keyfob as follows:

1 Enter the Devices +/- menu and select the Add Device sub menu.

2 Press the Arm button on the keyfob remote when prompted and confirm it is the correct detector by pressing OK.

3 After you have assigned a zone number for the keyfob remote, you are presented with a choice:

¥ Medical Emg : Control unit dials a medical emergency alarm when the Panic button on the keyfob remote is pressed.

¥ Personal Att : Control unit dials a personal attack alarm when the Panic button is pressed.

4 Press OK. You can now choose latch reporting.

¥ Latch.Rpt.Off : No keyfob reporting of arming status to the Intamac Home Manager™ Service, this is set as factory default.

¥ Latch.Rpt.On : This will report every time the Home is armed, Away armed and disarmed by the keyfob.

5 Press OK. You are now asked to choose a user number. If latch reporting is used this is needed by the control unit to identify who is arming and disarming the system.

¥ User - : This is used if latch reporting is not required, or if you do not want the user to be individually identified.

¥ User 1 to User 6 : Use arrow keys to choose user number. If you want to identify a latch reporting user then a number can be assigned. This can be the same as User PIN code number, for example if Frank is using PIN code 3456 and is user 3, then a keyfob can be similarly named Frank and be assigned user 3 as well. This will identify Frank every time he arms or disarms with either his keyfob or 3456 PIN code.

6 Press OK. Enter a name of your choice.

7 Press OK and the display will show your selection, press OK again to confirm or ↺ to start again

¥ The Panic button has to be pressed for more than 5 seconds to operate. This is a safety feature to stop accidental operation.

¥ If programmed as a Personal Attack alarm, an alarm started by the Panic button cannot be silenced with the keyfob remote, only with the control unit. This is a safety feature to stop any potential attacker disarming the system after a Personal Attack alarm has started.

The system is armed by pressing the Arm or Home button for at least 1 second (this delay feature prevents accidental operation).

The system is disarmed by pressing the Disarm button in the same way.

The switch at the side prevents the keyfob from transmitting accidentally.

¥ The keyfob can also be used to answer an incoming telephone call by pressing the Disarm button twice for 1 second with a pause between and then to close the call by pressing the Disarm button again for 1 second.

¥ When arming the system in home mode using the keyfob remote, the system will arm and disarm instantly without an exit or entry countdown.

Keypad remote control accessory

Programming

Note before learning in, ensure that J1 has a jumper link is on the two pins.

1 Enter the Devices +/- menu and select the Add Device sub menu.

2 When prompted by the control unit enter 0000 on the keypad then press TEST. The Tx LED will flash showing that the keypad is in program mode.

3 Press TEST then 1 on the keypad. The keypad and the control unit will beep.

4 After you have assigned a zone to the keypad, the display will show the successfully installed device.

5 Press OK on the control unit.

6 Press Off twice on the keypad to exit program mode, Tx LED will stop flashing.

¥ The keypad will beep every 30 seconds if the tamper switch is open. Please ensure tamper switch closes when mounting.

Using

To arm the system:

Enter your PIN code and press Arm.

To disarm the system:

Enter your PIN code and press Off.

To home arm the system:

Enter your PIN code and press Home.

Changing the batteries

Always use alkaline batteries as replacements, any other type of battery can cause problems with the operation of the system. Typical life of batteries is three years. Ensure the correct steps are taken when changing batteries in tamper protected devices.

Siren

The siren will produce a series of pips when armed and disarmed, and an interrupted alarm sound (if activated) if the siren batteries are near exhaustion. Change the batteries as soon as possible. The sound will be reset when the batteries are changed.

¥ You can determine if your siren is sounding a tamper warning or a low battery warning by arming and disarming the system. If the siren produces 5 pips when the system is armed and disarmed, the batteries are low. If the siren produces 5 pips, only when the system is armed, the tamper switch has been disturbed.

1 Before changing siren batteries, the siren tamper must be disabled by selecting Devices +/- , then selecting the Program Siren menu and then Siren A/T Off . Press OK. When these steps are taken the siren will beep in confirmation.

¥ When changing the batteries allow 1 minute between taking out the old batteries and replacing with the new.

Warning After the batteries have been changed the siren tamper will become active again. To avoid the siren sounding in alarm, ensure that you follow the next step before attempting to refit the siren cover.

2 With the new batteries fitted the siren tamper must be disabled again by selecting Devices +/- , the selecting Program Siren menu and then Siren A/T Off . Press OK.

3 Refit the siren cover.

4 Enable the siren tamper by selecting Siren A/T On in the Program Siren menu. Press OK.

PIR and door/window contact

The LED will flash every time the device is activated indicating a low battery and the control unit display will identify the sensor low battery.

1 To prevent a tamper alarm, in the control unit select Walk Test .

2 Remove device from mounting.

¥ Before changing the batteries check that the tamper switch closes when mounted.

3 Change the batteries with alkaline replacements.

4 Screw device back on.

Keyfob remote control

The LED will either be very dim or will not light at all when the battery is low. Change the battery as soon as possible with an alkaline replacement.

Keypad remote control

To indicate a low battery the Active LED will flash repeatedly. The control unit display will also indicate the low battery condition.

1 To prevent a tamper alarm, in the control unit select Walk Test .

2 Remove keypad from mounting.

¥ Before changing the battery check that the tamper switch closes when mounted.

3 Change the battery with alkaline replacement.

4 Screw keypad back on.

Smoke detector

The LED will flash and sounder will beep every 30 seconds to signal low battery. Change the batteries as soon as possible with alkaline replacements.

¥ The control unit display will identify the smoke detector low battery only after activation.

Flood detector

Remove the cover by loosening the fixing screws and insert a new 12V battery.

Help button

Remove the cover by loosening the fixing screw and insert a new 12V battery.

Trouble shooting

Siren

Siren does not respond to arming or disarming

¥ Siren batteries are completely exhausted. Check siren batteries by removing siren cover, if there is no tamper alarm when removed, replace batteries with new alkaline equivalents.
¥ Siren not learnt-in. If siren produces a tamper alarm when the cover is removed and siren is OK, learn-in the siren.

Siren produces a 3 second alarm when disarmed

¥ There has been a previous alarm and there might be an intruder still in the premises.

Siren produces a series of pips when armed or disarmed

¥ The siren has low batteries. Check that the siren produces a series of pips when arming and disarming, indicating low batteries. Change batteries with new alkaline replacements.
¥ The siren tamper switch has been disturbed. Check that the siren produces a series of pips only when arming, indicating a tamper fault. Check that the siren cover is firmly secured and the tamper switch plunger is in contact with the wall. If not use suitable packing material to fill gap.

Siren produces an interrupted tone when sounding an alarm

¥ The siren has low batteries. Change batteries with new alkaline replacements.

Siren will not learn-in

¥ No detectors are learnt-in. Learn-in a detector first. The siren will not learn-in into a control unit without a previously learnt-in detector.

PIR

PIR does not respond to movement

¥ Previous movement has triggered the PIR sleep timer and is preventing subsequent movement detection. Arm system and vacate protected room for at least 1.5 minutes before testing.

PIR is slow to respond

¥ This is normal, the PIR has sophisticated false alarm filtering that will filter out random fluctuations and responds to genuine movement across field of view, it is less sensitive walking directly towards it.

PIR gives false alarms

¥ Check pets have no access to protected area.
¥ Check that PIR is not pointed at sources of heat or moving objects, e.g. fluttering curtains.
¥ Check that PIR is not mounted above convector heaters or pointing directly at windows.

PIR LED flashes when jumper is in normal position

¥ Batteries are low or the tamper switch is disturbed. Check that the tamper switch spring is making contact with base. If the tamper switch is OK, change batteries with new alkaline replacements.

PIR does not respond to movement when jumper is in test position

¥ Batteries are completely exhausted. Change batteries with new alkaline replacements, LED will flash for 30 seconds while components initialise.

Door contact

Door contact LED flashes when jumper is in normal position

¥ Batteries are low or the tamper switch disturbed. Check that the tamper switch spring is making contact with the mounting surface. If the tamper switch is OK, change batteries with new alkaline replacements.

Door contact does not respond to door opening when jumper is in test position

¥ Batteries are completely exhausted. Change batteries with new alkaline replacements
¥ The magnet is too far away from the door contact. Check that the gap between door contact and magnet is not greater than 8mm.

Control unit

Control unit does not dial out when there is an alarm

¥ Faulty telephone connection. Check all connections to the telephone line. Test with spare telephone handset if necessary.
¥ Ensure the account number issued by Intamac is programmed and the Rpt On/Off in general settings menu is set to Reporting On .

Specifications

All devices

EMC
Tested to EN 300 220-1 and ETS 300 683

Environmental conditions
-10¡C to 40¡C, relative humidity 70% non-condensing for all units except the external siren. Siren: -20¡C to 50¡C, relative humidity 95% non-condensing

Radio operational range
30m in a typical domestic installation
Can vary depending on building construction and RF environment.

Housings ABS

Control unit

Keys

▼	Scrolls display downwards
▲	Scrolls display upwards
#	Program button, telephone dialler
*	Phone number pause
↩	When in programming mode, clears the screen or return to previous menu; back space for telephone numbers

Device codes

DC	Door/window contact
PIR	PIR movement detector
SD	Smoke detector
RC	Keyfob remote control
KP	Keypad remote control
WTR	Help watch

Control unit illumination Display is back lit when the unit is mains powered.
Housing ABS
Siren Output 95dBA sound pressure @ 1m minimum
Zones 20 radio devices
Radio system 433.92MHz AM Integral transmitter and super heterodyne receiver with jamming detection
Power supply Plug top adaptor type, input 230VAC 50Hz, output 9VDC, 500ma, tested to EN 60 950
Rechargeable battery Ni-MH, 1200mah, charge time 48hrs
Telephone interface Tested to TBR 21. Hands free vox operated, 6 programmable numbers
REN rating 1

Siren

Siren output 104dBA sound pressure @ 1m minimum
Radio 433.92MHz AM super heterodyne receiver with jamming detection
Power supply 6V, 4 x D alkaline cells. 3 years minimum typical service life

PIR movement detector

Alarm processing Microprocessor controlled dual edge sequential pulse count with pulse length discrimination
Radio 433.92MHz AM transmitter
Power supply 4.5V, 3 x AA alkaline cells. 3 years minimum typical domestic service life, 1-minute sleep timer
Movement detection range 15m, 110¡

Door/window contact

Radio Microprocessor controlled 433.92MHz AM transmitter
Power supply 3V, 2 x AAA alkaline cells. 3 years minimum typical domestic service life @ 50 activations a day

Smoke detector

Radio Microprocessor controlled 433.92MHz AM transmitter
Power supply 6V, 4 x AAA alkaline cells. 3 years minimum typical domestic service life

Flood detector

Radio Microprocessor controlled 433.92MHz AM transmitter
Power supply 12V, 1 x MN21 alkaline cells. 3 years minimum typical domestic service life

Keyfob remote control

Radio Microprocessor controlled 433.92MHz AM transmitter
Power supply 12V 23A/MN21 alkaline miniature "lighter" battery. 3 years minimum typical domestic service life

Keypad remote control

Radio Microprocessor controlled 433.92MHz AM transmitter
Power supply 1.5V AAA alkaline cell. 3 years minimum typical domestic service life

Help button

EMC Tested to EN 300 220-1 and ETS 300 683
Environmental conditions -10¡C to 40¡C, relative humidity 70% non-condensing
Radio operational range 30m in a typical domestic installation. Can vary depending on building construction and RF environment
Radio Microprocessor controlled 433.92MHz AM transmitter
Power supply 12V 23A/MN21 alkaline miniature lighter battery . 3 years typical domestic service life

YALE SECURITY PRODUCTS UK LTD
Wood Street, Willenhall,
West Midlands,
England, WV13 1LA

EC Declaration of Conformity

We: **Yale**
The Meadows,
Cannock Road,
Wolverhampton,
England WV10 0RR

declare under our sole responsibility that the following product(s):

Model: **HSA3020**
HSA3060
HSA3010
HSA3050
HSA3045
HSA3080
HSA3030
HSA3070
HSA3095

is (are) in conformity with the following relevant harmonised standards:

EN 300 220-1
ETS 300 683

following the provisions of Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity,

Name: Martin Wakeman Position: Financial Director

Signature: M. C. J. Wa... Date: 26/7/00

On behalf of Yale Security Products UK Limited

Yale® The world's favorite lock

Key points

Stopping the alarm

- Key in your PIN code and press OK on the control panel

If any of the devices beep or flash, they have either

been tampered with
See trouble-shooting, page 25

or require a new battery
See how to change a battery, page 24

Yale
The Meadows, Cannock Road,
Wolverhampton,
England WV10 0RR

Tel: +44 (0) 1902 364647
Fax: +44 (0) 1902 867158
email: info@yaleuk.com
web site: www.yale.co.uk