



**GM**Techntronics

SH426AX

External siren vocal  
messages - flash



INSTALLATION MANUAL

**DAITEM**

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## Recommendations

The user must not attempt to access the siren's internal parts, except areas described in this manual. If the user does access these parts, the product guarantee will be considered null and void and DAITEM shall not be held responsible for any problems. Touching the siren's internal parts and/or electronic components can damage the product. Furthermore, the siren is designed in such a way that these parts and components do not need to be accessed for operation or maintenance purposes.

**IMPORTANT: the siren's sounding level can cause hearing disorders. Take the necessary precautions before testing the product.**

# 1. Introduction

## IMPORTANT

- Some functions are only available with versions 2.0.0 or later (press **#** **5** **0** **3** **#** **#** on the control panel keypad to check the version).
- The operating differences with former ranges are described in the compatibility booklet available in the Daitem installers section at [www.daitem.co.uk](http://www.daitem.co.uk).

In addition to the protection provided by the control panel with built-in siren and keypad, the external siren with vocal messages and flashing strobe makes it possible to:

- **deter intruders** (vocal messages),
- **alert neighbours** (external sounding mode),
- **easily locate the alarm** (flashing strobe).

If a fire is detected, the siren is triggered for 5 minutes in fire sounding mode.

Thanks to its built-in transmitter, the siren informs the control panel when it has a battery problem. If somebody attempts to pull the siren off the wall, it sounds and then triggers all the alerts and deterrents via the control panel.

## Vocal messages

The siren issues the following vocal messages:

	Following a command	Vocal message
<b>Commands</b>	Disarm	"bip, Off"
	Arm	"bip, Armed"
	Armed Partial 1 or 2	"bip, Armed Partial 1" or "bip, Armed Partial 2"
	Disarm Group	"bip, Off": if all the groups allocated to the siren are disarmed "bip, Off Group X": if only part of the groups allocated to the siren are disarmed
	Arm Group	"bip, Armed": if all the groups allocated to the siren are armed "bip, Armed Group X": if only part of the groups allocated to the siren are armed
	Arm Presence mode	"bip, Armed Presence"
	Door bell	"ding dong"
	Disarm under duress	"bip, Off"
<b>System status query</b>	Disarm	"bip, Off"
	Arm	"bip, Armed"
	Armed Partial 1 or 2	"bip, Armed Partial 1" or "bip, Armed Partial 2"
	Disarm group	"bip, Off Group X"
	Arm Presence mode	"bip, Armed Presence"
<b>Alarms</b>	Intrusion when presence mode armed	"bip, bip, bip, bip, intrusion Group X"
	Entry delay	"bip, bip, bip, bip, protection active"
<b>Fire alarm</b>		loud sounding for 15 s then "Fire Alarm" (alternating)
<b>Warning</b>		N°1 "Barking" N°2 "Beware, Intrusion alarm armed" N°3 "Beware, Protected zone" N°4 "Intruder detected" N°5 "Intrusion, Alarm triggered" <span style="font-size: 2em; vertical-align: middle;">}</span> depending on chosen parameters
<b>Deterrence</b>		
<b>Prealarm</b>		
<b>Changing siren modes</b>	User test mode	
	Installation mode	"bip, INSTALLATION_MODE"
	User mode	"bip, USER_MODE"

Example: The system is in Armed Partial 2 mode but the siren has a battery fault. When the “system status query” order is sent from the keypad or remote control, the control panel and siren issue the following vocal messages:



“Bip, System\_status, Armed Partial 2, bip, 12/03 at 12:00, Fault, Voltage, Remote\_Control\_Unit 1”




“Bip, Armed Partial 2, bip, Fault, System”

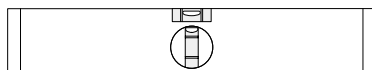
## 2. Preparing the siren

### 2.1 Tooling required



  $\varnothing$  6 mm

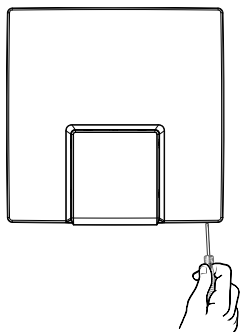
 PZ 2



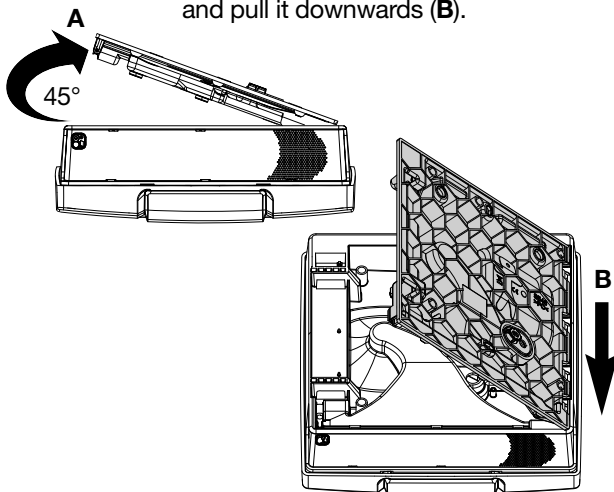
**IMPORTANT: the fixing screws and wall plugs are not supplied.**

### 2.2 Opening the siren and connecting the power supply

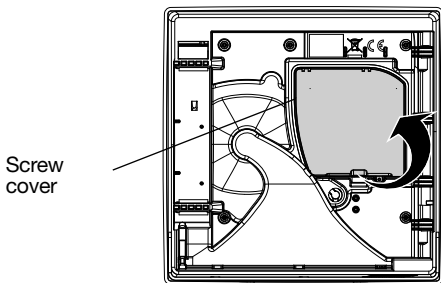
1. Insert a screwdriver into the bottom right-hand corner between the base and the siren and apply pressure to open the siren.



2. Place the siren on a flat surface, remove the base by inclining it at a 45° angle (A) and pull it downwards (B).

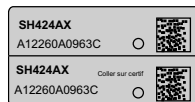


3. Lift up the screw cover and remove the screw from its slot.

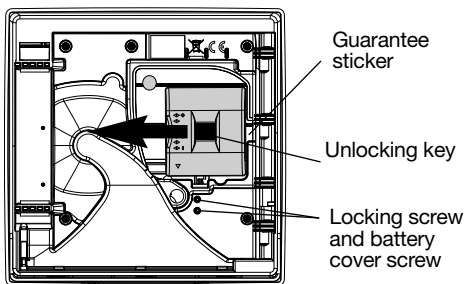


#### 4. Guarantee sticker

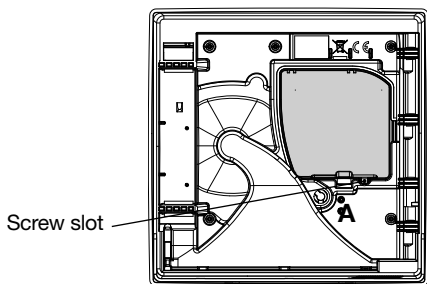
Remove the pre-cut part of the sticker and stick it to the guarantee certificate in the user manual supplied with the control panel. If you are adding the siren to an existing system, use the guarantee sticker provided with this product.



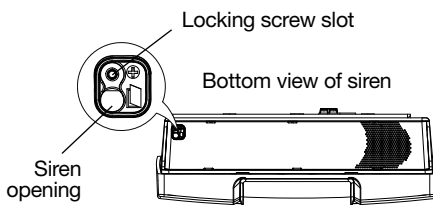
5. Position the power pack on the guide rails.  
6. Slide the power pack to the left until it is locked into place.



7. Reposition the battery cover and screw it in place using one of the screws (A).



8. Position the locking screw in its slot.



To remove the lithium power pack, press on the unlocking key and slide the pack towards the right.

#### IMPORTANT

- When the siren is powered, it will issue a long beep and automatically switch to installation mode (tamper mechanism disabled).
- If the siren does not respond as it should:
  - disconnect the power pack,
  - wait for 2 minutes,
  - reconnect the lithium power pack,
  - check the siren issues a long beep as it should.

### 3. Recognition programming

Recognition programming allows the siren to be recognised by the control panel. It must be done with the control panel and siren in installation mode. If they are not in installation mode, enter:

□ □ □ □ # 2 # #

master code

then

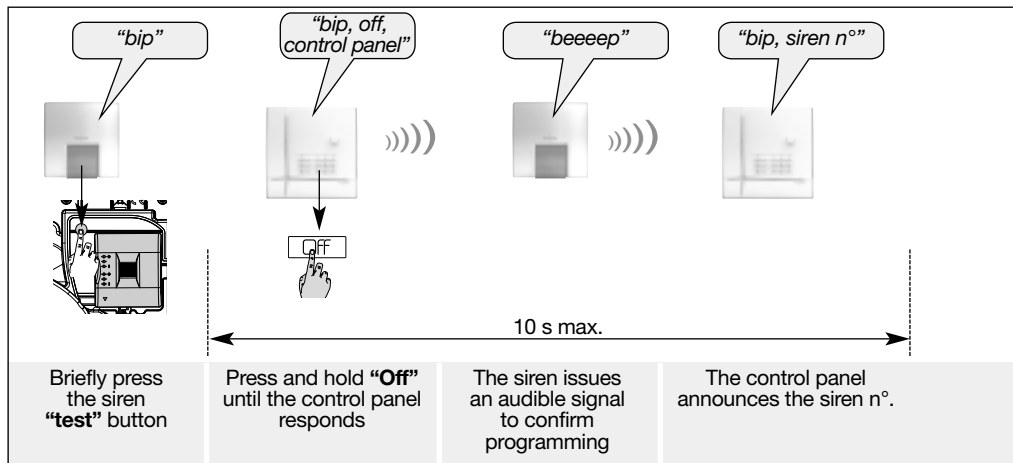
□ □ □ □ # 3 # #

installer code

#### IMPORTANT

- The siren does not need to be placed close to the control panel for recognition programming. In fact, it is advisable to move it away from the panel (to a distance of at least 2 m).
- The control panel gives the siren a n° during recognition programming.

Siren recognition programming sequence:



**IMPORTANT:** the control panel and siren issue three short beeps to indicate a programming error. When this happens, perform recognition programming again from the start.

## 4. Setting the parameters

**IMPORTANT:** all parameter-setting must be done using TwinLoad® software available in the Daitem installers section at [www.daitem.co.uk](http://www.daitem.co.uk).

The control panel and siren must be in installation mode to set the siren's parameters. If they are not, enter:

# 2 # #  
 master code

then  
    # 3 # #  
 installer code



The siren's parameters are factory-programmed. Each parameter can nevertheless be modified using the control panel keypad.

To set the siren's parameters, first choose the parameters to be modified and then enter:

\* \* 4 \*  \*   \*    \* \*  
 ↑                    ↑                    ↑  
 siren n°          parameter n°          parameter value

### 4.1 Delayed alarm sounding upon intrusion

Siren alarm sounding can be delayed by 60 seconds maximum. This gives users enough time to disarm the system before the alarm siren sounds if, for instance, they have pressed the wrong button. To delay sounding, enter:

\* \* 4 \*  \* 3 \*   \* \*  
 ↑                    ↑  
 siren n°                  from 0 to 60 s

Factory setting: 0 s

### 4.2 Setting the sounding parameters

#### 4.2.1 Duration of alarm sounding

To modify the duration of sounding, enter

\* \* 4 \*  \* 4 \*   \* \*  
 ↑                    ↑  
 siren n°                  from 20 to 180 s

Factory setting: 90 s

#### 4.2.2 Level of sounding

To modify the level of sounding, enter:

\* \* 4 \*  \* 1 9 \*  \* \*  
 ↑                    ↑  
 siren n°                  0: normal  
    1: quiet

Factory setting: 0

### 4.3 Type of sounding

To modify the type of siren sounding, enter:

\* \* 4 \*  \* 1 0 \*  \* \*

↑  
siren n°

↑  
0: internal  
1: external

Factory setting: external

### 4.4 Sound level of disarm and arm command indications

For greater user-friendliness, the sound level can be increased or decreased.

To do this, enter:

\* \* 4 \*  \* 1 1 \*  \* \*

↑  
siren n°

↑  
from 1 to 8

Factory setting: 4 = average

### 4.5 Transfer of arm and disarm commands

To modify the transfer of indications, enter:

\* \* 4 \*  \* 1 2 \*  \* \*

↑  
siren n°

↑  
0: disabled  
1: sounding  
2: vocal message ("bip, bip, bip, bip, Off or Armed")  
3: sounding and flashing  
4: vocal message ("bip, bip, bip, bip, Off or Armed") and flashing  
5: flashing

Factory setting: 0

### 4.6 Indication of audible signals and door bell

This function is factory-set to be disabled. It can be enabled if required.

To do this, enter:

\* \* 4 \*  \* 1 3 \*  \* \*

↑  
siren n°

↑  
0: disabled  
1: sounding

Factory setting: 0

### 4.7 Validation of radio link in installation mode

This function is used to validate the radio link test in installation mode on 1 of the 2 radio bands. To switch to 2 bands, enter:

\* \* 4 \*  \* 1 5 \*  \* \*

↑  
siren n°

↑  
0: validation on 1 of the 2 bands  
1: validation on 2 bands

Factory setting: 0



## 4.8 Modification of speech synthesis system language

The French language can be replaced by another language according to the user's nationality. To do this, enter:

\* \* 4 \*  \* 1 7 \*  \* \*

siren n°

0: French  
1: Italian  
2: German  
3: Spanish  
4: Dutch  
5: English

Factory setting: 0

## 4.9 Triggering upon intrusion

The alarm is factory-set to be triggered as soon as an intrusion is detected. This function can be deactivated or activated for intrusion confirmed indications only. To do this, enter:

\* \* 4 \*  \* 2 0 \*  \* \*

siren n°

0: disabled  
1: single or confirmed intrusion  
2: confirmed intrusion only

Factory setting: 1

## 4.10 Protection system armed indication

When this function is enabled, the siren indicates that the system is armed either by issuing a series of 4 beeps or the voice message "*bip, bip, bip, bip, Protection Active*". The function is not enabled by default.

\* \* 4 \*  \* 2 1 \*  \* \*

siren n°

0: disabled  
1: quiet sounding ("*bip, bip, bip, bip*")  
2: vocal message ("*bip, bip, bip, bip, Protection Active*")

Factory setting: 0

## 4.11 Alarm indication in armed presence mode

The siren is factory-set to sound loudly for 15 s in case of intrusion. This function can be modified. To do this, enter:

\* \* 4 \*  \* 2 2 \*  \* \*

siren n°

0: disabled  
1: quiet sounding (4 beeps)  
2: loud sounding (15 s)  
3: vocal message ("*bip, bip, bip, bip, intrusion group x*")  
4: quiet sounding (4 beeps) and flashing (5 s)  
5: loud sounding (15 s) and flashing (15 s)  
6: vocal message ("*bip, bip, bip, bip, intrusion group x*") and flashing (5 s)  
7: flashing (15 s)

Factory setting: 2

## 4.12 Triggering following a communication network interruption

When this function is enabled, loud sounding can be triggered (except when parameter 26 is set at 0).

\* \* 4 \*  \* 2 6 \*  \* \*

siren n°

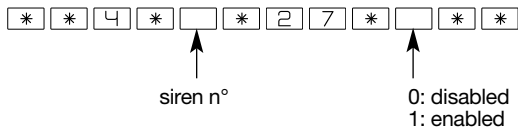
0: disabled  
1: loud sounding triggered if the system is totally armed  
2: loud sounding triggered 24/24

Factory setting: 0

## 4.13 Radio tamper

If the radio links are deliberately tampered with, the siren is triggered.

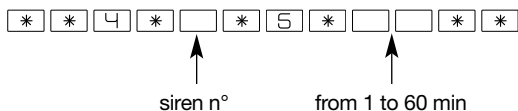
To activate or deactivate the radio anti-tamper system, enter:



Factory setting: 1

## 4.14 Duration of flashing

To modify the duration of flashing, enter:

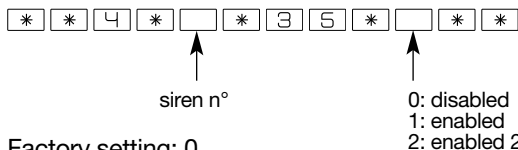


Factory setting: 15 min

## 4.15 Indication of break-in following intrusion

The “break-in indication” function lets a neighbour or correspondent know that an intruder is still on the monitored premises. When intrusion occurs, the strobe is activated continuously. After a period of 3 minutes without intrusion, the flashing becomes discontinuous (on for 6 seconds, off for 6 seconds) indicating that there is no intruder on the premises. If the intruder returns, the strobe is reactivated continuously once more (see diagram).

To modify the break-in indication, enter:

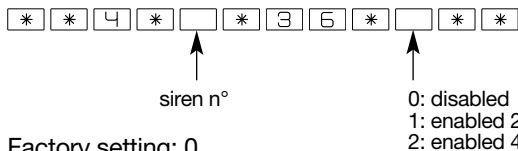


Factory setting: 0

## 4.16 Visual localisation of flashing strobe following break-in

The “visual localisation” function can be triggered following a “break-in indication” (if this function has been enabled) or once the “flashing duration” has run its course. By extending the effect of the flashing strobe (on for 6 seconds, off for 16 seconds), the “visual localisation” function helps the user’s correspondent to visually localise the premises where the alarm has been triggered (see diagram on next page).

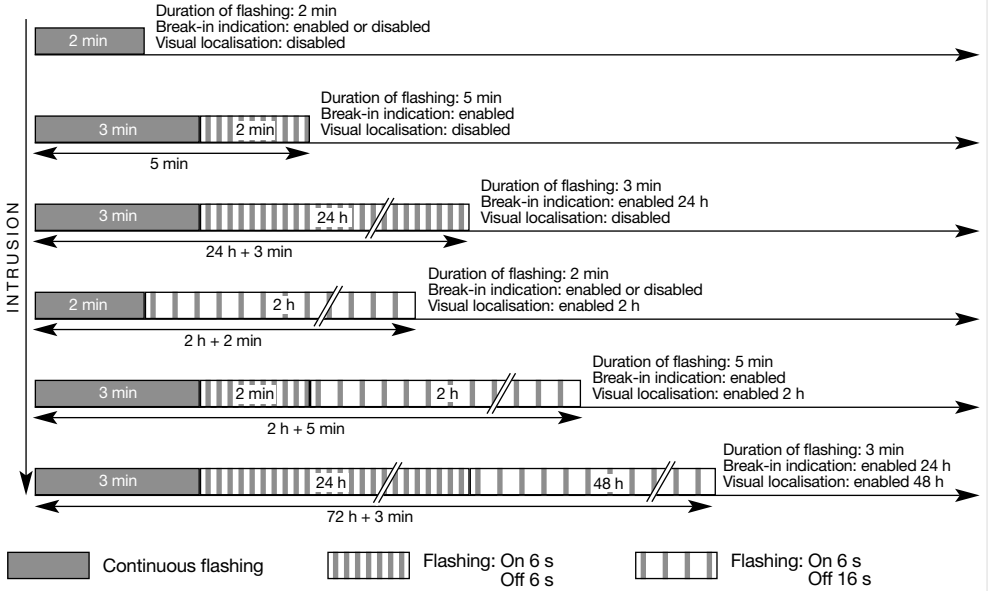
To modify the strobe’s visual localisation function, enter:



Factory setting: 0

**How the different functions work:**

- duration of flashing (parameter 5)
- break-in indication (parameter 35)
- visual localisation of flashing strobe (parameter 36)



**IMPORTANT**

- If the “break-in indication” function (parameter 35) and/or the “visual localisation” function (parameter 36) is/are activated, the installer should be aware that this will use up the batteries at a faster rate than usual when the complete indication cycle is triggered (see the table below for the power pack battery life according to selected parameters).
- When parameters 35 and/or 36 are selected with a long-duration indication value (value 2), we recommend changing the power pack on a yearly basis.

**Power pack battery life according to the programming of parameters 35 and 36:**

		Parameter 35: “break-in indication function”		
		0	1	2
Parameter 36: “visual localisation function”	0	5 years 10 complete activations/year (factory)	5 years 8 complete activations/year	2 years 2 complete activations/year
	1	5 years 7 complete activations/year	5 years 4 complete activations/year	2 years 2 complete activations/year
	2	2 years 2 complete activations/year	2 years 2 complete activations/year	2 years 1 complete activation/year

## 4.17 Allocation of siren to an alarm group

To allocate the siren to one or several alarm system groups, enter:

\* \* 4 \*  \* 3 7 \*  ...  \* \*

siren n°

groups from 1 to 8 depending  
on the type of control panel

Factory setting: all groups

**Example**, to allocate siren n° 1 to Group 2 and Group 3, enter:

\* \* 4 \* 1 \* 3 7 \* 2 3 \* \*

## 4.18 Type of indication

**5 vocal messages** are available in order to personalise indications.

The messages are as follows: N° 1 "Barking"

N° 2 "Beware, Intrusion alarm enabled"

N° 3 "Beware, Protected zone"

N° 4 "Intruder detected"

N° 5 "Intrusion, Alarm triggered"

### 4.18.1 For warnings

To modify the type of warning indication, enter:

\* \* 4 \*  \* 7 2 \*  \* \*

siren n°

0: disabled  
1: sounding (2 s)  
2: sounding  
and flashing (5 s)  
3: flashing (5 s)

4: vocal message n° 1 + flashing (5 s)  
5: vocal message n° 2 + flashing (5 s)  
6: vocal message n° 3 + flashing (5 s)  
7: vocal message n° 4 + flashing (5 s)  
8: vocal message n° 5 + flashing (5 s)

Factory setting: 3

### 4.18.2 For deterrence

To modify the type of deterrence indication, enter:

\* \* 4 \*  \* 7 3 \*  \* \*

siren n°

0: disabled  
1: sounding (5 s)  
2: sounding  
and flashing (5 s)  
3: flashing (5 s)

4: vocal message n° 1 + flashing (5 s)  
5: vocal message n° 2 + flashing (5 s)  
6: vocal message n° 3 + flashing (5 s)  
7: vocal message n° 4 + flashing (5 s)  
8: vocal message n° 5 + flashing (5 s)

Factory setting: 2

### 4.18.3 For prealarms

To modify the type of prealarm indication, enter:

\* \* 4 \*  \* 7 4 \*  \* \*

siren n°

0: disabled  
1: sounding (loud for 15 s)  
2: sounding (loud for 15 s)  
and flashing  
3: flashing (15 s)

4: vocal message n° 1 + flashing (15 s)  
5: vocal message n° 2 + flashing (15 s)  
6: vocal message n° 3 + flashing (15 s)  
7: vocal message n° 4 + flashing (15 s)  
8: vocal message n° 5 + flashing (15 s)

Factory setting: 2

## 4.19 Anti-tamper switch triggering

To modify the conditions under which the anti-tamper switch will activate the siren, enter:

\* \* 4 \* [ ] \* 7 5 \* [ ] \* \*

siren n°

0: enabled 24 h/day  
1: enabled if system totally armed

Factory setting: 1

## 4.20 Fire alarm indication

To modify the fire alarm indication, enter:

\* \* 4 \* [ ] \* 7 6 \* [ ] \* \*

siren n°

0: sounding  
1: sounding and vocal message ("Fire\_Alarm")

Factory setting: 1

## 4.21 Checking

To check parameter-setting, enter:

\* \* 4 \* [ ] \* [ ] \* # \* \*

siren n°

parameter  
n°

**Example**, to check on **siren n° 1**, parameter **4: duration of sounding**, enter:

\* \* 4 \* 1 \* 4 \* # \* \*

"4, bip, 9, 0"



## 4.22 Deletion of parameters

• To delete a parameter, enter:

\* \* 4 \* [ ] \* [ ] \* \* 0 \* \*

siren n°

parameter  
n°

• To delete all parameters, enter:

\* \* 4 \* [ ] \* 1 9 7 \* \* \*

siren n°

## 5. Installing the siren

### 5.1 Choosing the best place to install the siren

**IMPORTANT:** make sure there is a distance of at least 2 metres between each product, except between two detectors.

The siren should preferably be placed:

- at a height,
- far away from possible sources of electrical interference (electricity meter, telephone box, etc.).

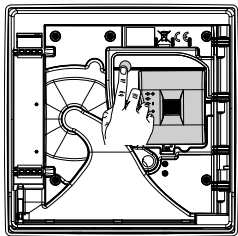
**Never fix the siren to a metal wall.**

### 5.2 Testing the radio range

Before fixing the siren in place, test its radio range in the chosen location by putting it there.

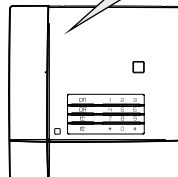
**If the test is satisfactory, fix the siren in place. Otherwise, move it to a different location.**

1. Press the test button



2. The control panel issues the message:

*"bip, siren X"*

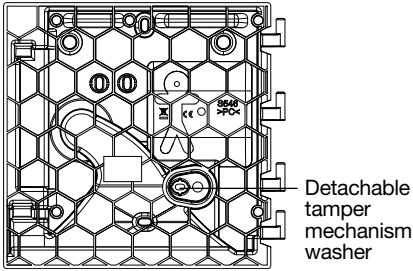


### 5.3 Fixing the siren in place

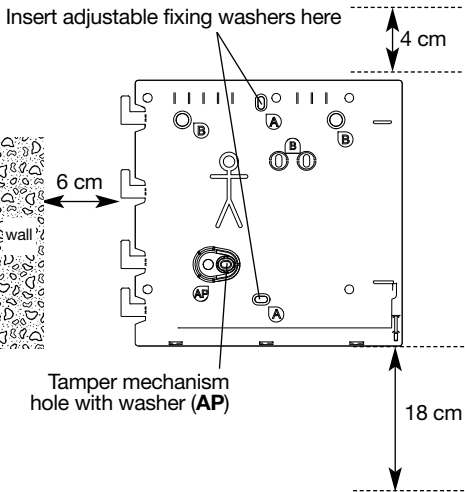


The siren can be fixed in two different ways:

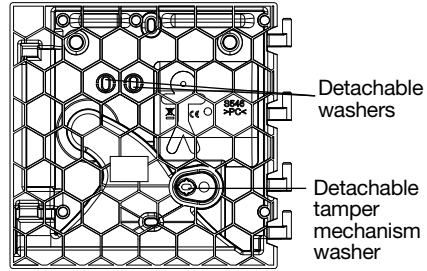
- 1. • Remove the tamper mechanism washer located at the back of the base.



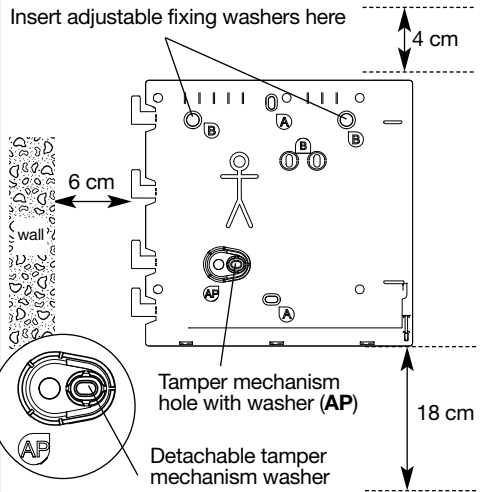
- For the siren to be installed there must be a space of 6 cm to the left of the base, 4 cm above and 18 cm below. This clearance allows for the siren to be easily opened or locked.
- Fix the base at 3 points:
  - the two fixing points (A),
  - the tamper mechanism (AP).



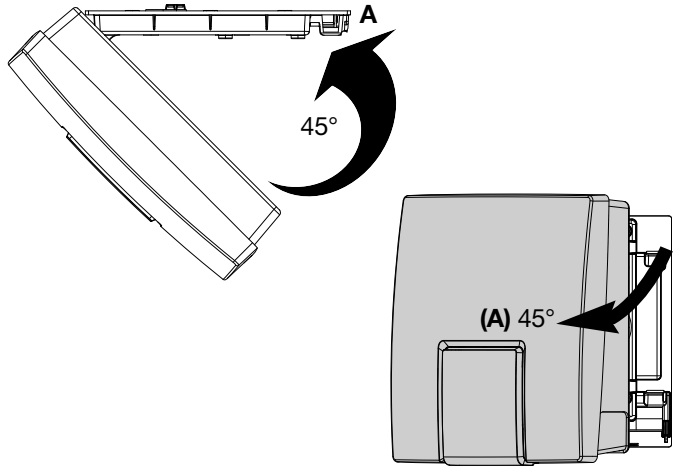
- OR**
- Remove the two fixing washers located at the back of the base. Remove any extra parts from the washers.
  - Remove the tamper washer located at the back of the base.



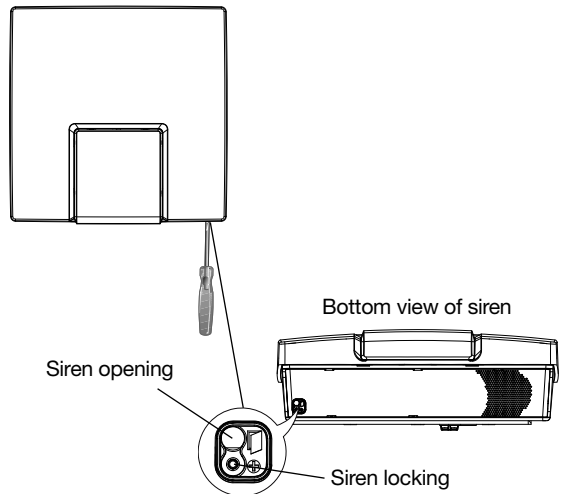
- For the siren to be installed there must be a space of 6 cm to the left of the base, 4 cm above and 18 cm below. This clearance allows for the siren to be easily opened or locked.
- Fix the base at 3 points:
  - the two fixing points (B),
  - the tamper mechanism (AP).



2. Position the siren open at an angle of 45° (A) in relation to the base and insert the pivots on the base into the hinges.



3. Close the siren and lock it using the screw located inside the product.



## 6. Performing a real test

### Testing triggering when there is an attempt to remove the siren

**IMPORTANT:** the sounding level of the siren can cause hearing disorders. The necessary precautions must therefore be taken before testing siren triggering.

1. Loosen the siren locking screw.
2. Open the siren.
3. Check triggering:
  - of the siren
  - of the control panel
  - of the telephone dialler
4. Issue an Off order.





## 7. Maintenance

### 7.1 Fault indications

The control panel supervises and identifies the siren. It monitors the state of the:

- **power supply,**
- **radio link,**
- **tamper contact.**

If a fault is memorised the control panel issues a voice message to indicate the fault following a system command (see § Fault indications in the control panel installation manual).

The siren also provides vocal indication of faults following a command issued from a control unit:

Commands	Vocal messages
Disarm	"bip, Off... Alarm System or Fault System"
Disarm group	"bip, Off..." or "bip, Off Group X... Alarm System or Fault Voltage Siren or Fault System"
Arm with time delay	"bip, Armed... Exit Opened or Exit Inhibited or Faults System or Faults Voltage Siren"
Arm without time delay	"bip, Armed... Exit Opened or Fault System"
Armed Partial 1 or 2 with time delay	"bip, Armed Partial 1 or 2... Exit Opened or Exit Inhibited or Faults System or Fault Voltage Siren"
Armed Partial 1 or 2 without time delay	"bip, Armed Partial 1 or 2 ... Exit Opened or Fault System"
Arm Presence mode	"bip, Armed Presence... Exit Opened or Faults System or Fault Voltage Siren"
Arm Group with time delay	"bip, Armed Group X... Exit Opened or Exit Inhibited or Faults System or Fault Voltage Siren"
Arm Group without time delay	"bip, Armed" or "bip, Armed Group X... Exit Opened or Fault System"
System status	"bip, Off, Fault System" "bip, Armed Presence, Fault system" "bip, Armed, Exit Inhibited" "bip, Armed Partial 1 or 2 ... Exit Opened or Fault System" "bip, Armed Group ... Exit Opened or Fault System"

- **Example 1**, the siren's battery is indicated to be faulty following a control panel **System Status** command:

"Bip, System Status, Armed Partial 2, bip, 12/03 at 12:00, Fault System"



"Bip, Armed Partial 2, bip, Fault System"



- **Example 2**, exit 3 has not been closed and this is indicated following a control panel **Armed Partial 1** command:

"Bip, Armed Partial 1, bip, 12/03 at 12:00, Exit 3 Open"



"Bip, Armed Partial 1, bip, Exit Open"



## 7.2 Changing the battery

- The lithium battery pack must be replaced by the same type of pack with the same technical characteristics, i.e. 2 x (3.6 V – 13 Ah).
- We advise you to use the DAITEM BatLi22 pack available in the catalogue in order to guarantee individual safety and equipment reliability.
- Dispose of the waste lithium power pack in an appropriate recycling bin.



### To change the battery:

1. send a disarm command,
2. switch the control panel to installation mode:

#  2  #  #

master code

then

#  3  #  #

installer code

3. remove the siren from the wall,
4. remove the faulty lithium power pack,
5. wait for 2 minutes before connecting the new lithium pack,
6. close the siren and put it back on its base,
7. switch the control panel to user mode:

#  1  #  #

installer code

8. test triggering.

## 8. Summary of parameters

Parameter description	Parameter-setting sequence	Factory parameter	Possible values	Page
Delayed sounding upon intrusion	** 4 * siren n° * 3 * ?? **	0: immediate	from 0 to 60 s 0: immediate	107
Sounding duration	** 4 * siren n° * 4 * ??? **	90 s	from 20 s to 180 s	107
Flashing duration	** 4 * siren n° * 5 * ?? **	15 min	from 1 to 60 min	110
Type of sounding	** 4 * siren n° * 10 * ? **	external	0: internal 1: external	108
Sound level of disarm/arm indications	** 4 * siren n° * 11 * ? **	4: average	from 1 to 8	108
Transfer of disarm/arm indications	** 4 * siren n° * 12 * ? **	0: disabled	0: disabled 1: sounding 2: vocal message 3: sounding and flashing 4: vocal message and flashing 5: flashing	108
Indication of audible signals and door bell	** 4 * siren n° * 13 * ? **	0: disabled	0: disabled 1: enabled	108
Validation of radio link in installation mode	** 4 * siren n° * 15 * ? **	0: on one of 2 bands	0: validation on 1 of 2 bands 1: validation on 2 bands	108

Parameter description	Parameter-setting sequence	Factory parameter	Possible values	Page
Selection of speech synthesis system language	** 4 * siren n° * 17 * ? **	0: French	0: French 1: Italian 2: German 3: Spanish 4: Dutch 5: English	109
Sounding level	** 4 * siren n° * 19 * ? **	0: normal	0: normal 1: quiet	107
Triggering upon intrusion	** 4 * siren n° * 20 * ? **	1: single or confirmed	0: disabled 1: single or confirmed intrusion 2: confirmed intrusion only	109
Protection system armed indication	** 4 * siren n° * 21 * ? **	1: disabled	0: disabled 1: sounding 2: vocal message	109
Alarm indication in armed presence mode	** 4 * siren n° * 22 * ? **	2: loud sounding (15 s)	0: disabled 1: quiet sounding (4 beeps) 2: loud sounding (15 s) 3: vocal message 4: quiet sounding (4 beeps) and flashing 5: loud sounding (15 s) and flashing 6: vocal message and flashing 7: flashing	109
Triggering upon communication network interruption	** 4 * * 26 * ? **	0: disabled	0: disabled 1: loud sounding triggered if the system is totally armed 2: loud sounding triggered 24/24	109
Radio tamper	** 4 * siren n° * 27 * ? **	1: enabled	0: disabled 1: enabled	110
Indication of break-in following intrusion	** 4 * siren n° * 35 * ? **	0: disabled	0: disabled 1: enabled 2: enabled 24h	110
Visual localisation of flashing following intrusion	** 4 siren n° * 36 * ? **	0: disabled	0: disabled 1: enabled 2 h 2: enabled 48 h	110
Allocation of a siren to one or several intrusion groups	** 4 * siren n° * 37 * ? **	all groups	Selection of group(s): from 1 to 8 depending on type of control panel	112

Parameter description	Parameter-setting sequence	Factory parameter	Possible values	Page										
Type of warning indication	** 4 siren n° * 72 ? **  <table border="1"> <tr> <td>N° 1</td> <td>"Barking"</td> </tr> <tr> <td>N° 2</td> <td>"Beware, Intrusion alarm Armed"</td> </tr> <tr> <td>N° 3</td> <td>"Beware, Protected zone"</td> </tr> <tr> <td>N° 4</td> <td>"Intruder detected"</td> </tr> <tr> <td>N° 5</td> <td>"Intrusion, Alarm triggered"</td> </tr> </table>	N° 1	"Barking"	N° 2	"Beware, Intrusion alarm Armed"	N° 3	"Beware, Protected zone"	N° 4	"Intruder detected"	N° 5	"Intrusion, Alarm triggered"	3: flashing	0: disabled 1: sounding 2: sounding and flashing 3: flashing 4: vocal message n° 1 + flashing 5: vocal message n° 2 + flashing 6: vocal message n° 3 + flashing 7: vocal message n° 4 + flashing 8: vocal message n° 5 + flashing	112
N° 1	"Barking"													
N° 2	"Beware, Intrusion alarm Armed"													
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Type of prealarm indication	** siren n° * 74 ? **  <table border="1"> <tr> <td>N° 1</td> <td>"Barking"</td> </tr> <tr> <td>N° 2</td> <td>"Beware, Intrusion alarm Armed"</td> </tr> <tr> <td>N° 3</td> <td>"Beware, Protected zone"</td> </tr> <tr> <td>N° 4</td> <td>"Intruder detected"</td> </tr> <tr> <td>N° 5</td> <td>"Intrusion, Alarm triggered"</td> </tr> </table>	N° 1	"Barking"	N° 2	"Beware, Intrusion alarm Armed"	N° 3	"Beware, Protected zone"	N° 4	"Intruder detected"	N° 5	"Intrusion, Alarm triggered"	2: sounding and flashing	0: disabled 1: sounding 2: sounding and flashing 3: flashing 4: vocal message n° 1 + flashing 5: vocal message n° 2 + flashing 6: vocal message n° 3 + flashing 7: vocal message n° 4 + flashing 8: vocal message n° 5 + flashing	112
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N° 5	"Intrusion, Alarm triggered"													
Anti-tamper switch triggering	** 4 * siren n° 75 * ? **	1: enabled if system totally armed	0: enabled 24h/day 1: enabled if system totally armed	113										
Fire alarm indication	** 4 * siren n° * 76 * ? **	1: sounding and vocal message	0: sounding 1: sounding and vocal message	113										
Deletion of all parameters	** 4 * siren n° * 197 ***	-	-	113										
Deletion of one parameter	** 4 * siren n° * parameter n° ** 0 **	-	-	113										

## 9. Technical data

Technical specifications	SH424AX, SH425AX, SH426AX, SH424AI sirens
Acoustic level	109 dB at 1 m
Sounding duration	20 s to 180 s
Internal sounding	1400 Hz to 1600 Hz
Fire sounding	700/900 Hz, sounding duration: 5 min.
Transfer of Arm/Disarm indications	sounding and vocal message
Environment	external
Power supply	TwinPower® via lithium power pack (2 x 3.6 V)
Battery life	5 years in normal conditions of use
Average current consumed	331 µA
Average humidity rate	5% to 75% without condensation at 25°C possibly varying between 85% & 95% for 30 days over the course of the year
Radio links	TwinBand® 400/800 MHz
Supervision	Radio, lithium power pack, tamper
Operating temperature	-25°C to + 70°C
Tamper protection against	<ul style="list-style-type: none"> <li>• opening</li> <li>• removal</li> </ul>
Degrees of mechanical protection	IP 54/IK 08
W x H x D	248 x 248 x 84 mm
Weight	2.5 kg (with battery)
Security grade	grade IV according to standard EN 50131-4
Environmental class	class IV according to standard EN 50130-5

*To obtain advice when installing your system or before returning equipment, please contact the Daitem technical support team (see telephone number at the back of the alarm system installation manual) or check the web site at:*

**[www.daitem.co.uk](http://www.daitem.co.uk)**

*A team of qualified technicians will advise you what to do.*



### DECLARATION OF CONFORMITY

Manufacturer: Hager Security SAS  
Address: F-38926 Crolles Cedex - France



Product type: **Siren with vocal messages and flashing strobe**

Trade mark: **Daitem**

We declare under our sole responsibility that the product to which this declaration relates is compliant with the essential requirements of the following directives:

- R&TTE directive: 99/5/EEC
- Low voltage directive: 2006/95/EC
- ROHS directive: 2002/95/EC

in compliance with the following harmonised European standards:

Product references	SH424AX	SH425AX	SH426AX	SH424AI
EN 300 220-2 V3.2.1	X	X	X	X
EN 50130-4 (95) + A1 (98) + A2 (2002)	X	X	X	X
EN 55022 & 55024 (2002)	X	X	X	X
EN 60950 (2006)	X	X	X	X
EN 301 489-1 V1.8.1	X	X	X	X

This product can be used in all EU, EEA Countries and Switzerland.

Crolles, 02.01.2013

Signature:  
Patrick Bernard  
Research & Development Manager

Non-binding document, subject to modification without notice.



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