

SK678 ALARM CENTER AND TELEPHONE DIALER

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1. Introduction

Thank you for your purchase of this SK678 Alarm Centre and Telephone Dialer, the hub of our SK6 Wireless Monitoring System. Link it with up to 23 wireless sensors to build a complete and customized home monitoring system. You can add remote controls for ease of operation. Get alarm notifications from the built-in siren or chime, via telephone, or with additional SK6 sirens and alerts around the house.

We are dedicated to customer service and will work to resolve any difficulties to ensure your satisfaction. If you have any questions about the setup or function of this product, please contact us before returning this product to the point of purchase.

1.1. Important notes:

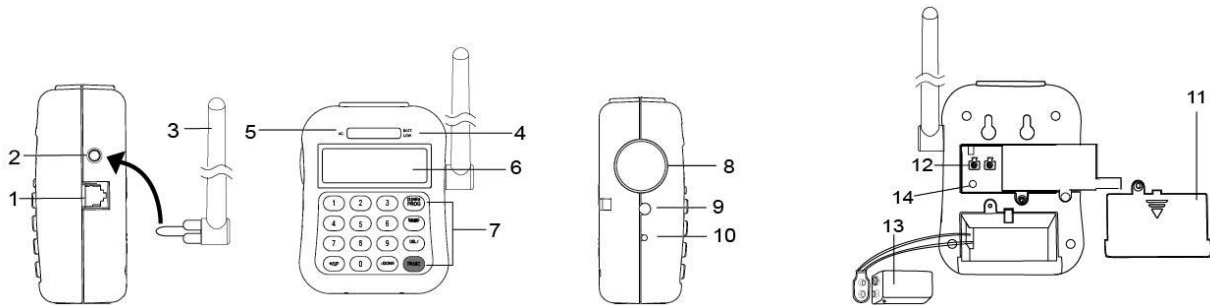
- A telephone landline is required for remote notifications.
- Answering machines
 - By default, the SK678 alarm centre is programmed to answer incoming calls after five (5) rings. This enables the system to be operated remotely by calling in. However, **this option is incompatible with telephone answering machines or services**. If you wish to use an answering machine or service, see section 2.8 - *Configuring the call-in feature*.
- For interior installation only. Do not expose to direct sunlight or rain.
- The built-in siren is very loud. Never put the system close to your ear.
- The SK6 Wireless Alarm System can provide valuable protection for your home and property if utilized properly. However, this system cannot guarantee complete protection against burglary or property damage. Ideal Security is not responsible for any loss or damage which may occur during the use of this product.
- All batteries, including those in the alarm centre and linked sensors, should be changed at least once every year. Weak batteries may cause false alarms or failure during a power outage. If the alarm centre will be out of use for an extended period of time, remove the batteries to avoid damage due to battery leakage.

1.2. Features

- Three modes: Armed, Disarmed, and Home
- Built-in doorbell chime and loud 105dB alarm
- 9 monitoring zones, including an always-armed “24-hour” zone
- Link up to 23 wireless sensors and 8 remote controls
- Arm and disarm the system via keypad, remote control, or telephone
- Monitor your home via telephone by listening to live audio
- Stores and dials up to 5 phone numbers up to 5 times each
- Entry delay up to 20 seconds
- Battery backup allows the system to operate through power failures (9V battery not included)
- User settings (except date and time) are stored in memory through power failures
- Low battery indicator for both the hub and linked wireless sensors
- Terminal connections for expanding functionality with wired devices

1.3. Components

- | | |
|------------------------------|--|
| 1- Antenna jack | 10- Home mode button |
| 2- Telephone line jack | 11- Battery cover |
| 3- Antenna | 12- External trigger input/output terminal |
| 4- Low battery indicator LED | 13- 9V battery (not included – we recommend using an alkaline battery) |
| 5- AC power indicator LED | 14- Reset button |
| 6- LCD display | |
| 7- Keypad | |
| 8- Alarm and chime speaker | |
| 9- DC 9V jack | |



2. Set-up

Install the alarm centre where it will have access to a telephone land-line and an electrical outlet.

1. Plug in the AC adaptor, and connect it to the DC 9V jack (Fig. 1)
2. Using the supplied telephone cable, connect the small plug into the LINE jack on the alarm centre and the other end into the phone jack (Fig. 2).

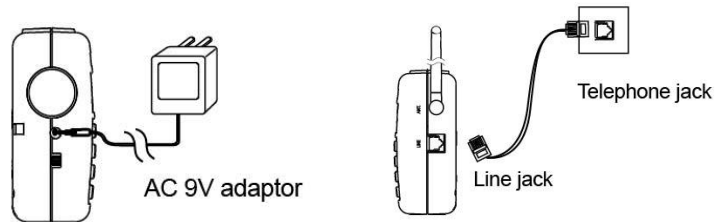


Fig. 1

Fig. 2

3. You may also choose to use the included telephone line splitter to connect both the alarm center and a telephone into the same phone jack. You can use the line splitter either at the wall jack (Fig. 3) or at the LINE jack on the alarm centre (Fig. 4).

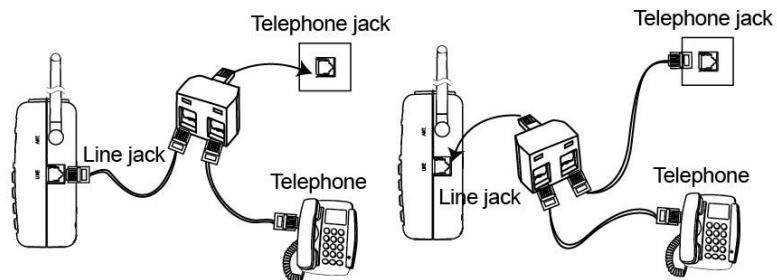


Fig. 3

Fig. 4

4. Raise the antenna on the alarm centre so it points straight up, for better reception.
5. To insert the optional 9V backup battery (not included), remove the battery cover from the back of the alarm centre (Fig. 5).
6. If you choose to mount the alarm centre on the wall, test the communication range with all your wireless sensors (use the **HOME** mode) before drilling any holes. Once you've confirmed your installation location, drill two holes using the template provided, and install the wall anchors and screws. Place the alarm centre over the screws and slide it down to secure it in place (Fig. 6).

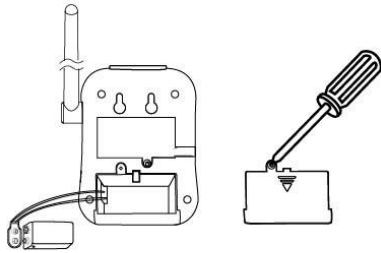


Fig. 5

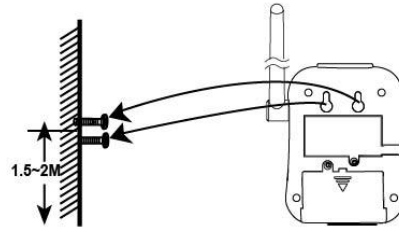



Fig. 6


2.1. Programming mode

NOTE: The default password is 0-0-0.





To enter programming mode: Enter your password on the keypad, then press the **PROG**  button. A series of icons will appear at the very top of the LCD screen, beginning with **PASSWORD**, which will be flashing.

To cycle through menu options: Use the **PROG**  or the ***/UP**  and **#/DOWN**  buttons. The active menu option will flash.

To choose a menu option or confirm a selection: Use the **ARM/DISARM**  button.

To exit programming mode: Cycle through to the end of the menu by repeatedly pressing the **PROG**  button, or wait 10 seconds. If no key is pressed for 10 seconds, the alarm centre will exit programming mode.


Programming mode can **only** be entered when the system is **DISARMED**.

Menu option	Icon
Password	PASSWORD
Manage phone numbers	MEMORY
Link new sensors	LEARN
Siren settings	
Remote notification on/off	
Remote notification cycles	CYCLE
Call-in settings	
Entry delay settings	ENTRY
Date & time settings	

2.2. Setting & re-setting the password




The alarm centre comes with a factory default password: 0-0-0

2.2.1. To change the password:






1. Enter programming mode.
2. Choose the **PASSWORD** menu option.
3. Enter your new password. It can be 3 to 6 digits long.
4. Confirm with the **ARM/DISARM**  button.
5. Record your new password here: _____

2.2.2. Resetting the password

If you've forgotten your password, you can reset it. This procedure will reset the *password only*. All other information (programmed phone numbers and linked sensors) will remain.

1. Open the upper panel on the back of the unit and locate the **RESET** button (see section 1.3 - *Components*).
2. While holding the **PROG**  button, press and release the **RESET** button once. The screen will go blank. Continue to hold the **PROG**  button.
3. When the screen returns, release the **PROG**  button.
4. The password has now been reset to the default 0-0-0.





2.3. Setting the date & time

1. Enter programming mode.
2. Choose the Date/Time  menu option.
3. The date and time will now be displayed on screen as five sets of numbers: YYYY-MM-DD HH-MM (24-hour time format). The first set of numbers will be flashing, confirming these can now be changed.
4. Change the year by using the ***/UP**  or ***/DOWN**  buttons, then press **ARM/DISARM**  to confirm. The next set of numbers will begin flashing.
5. Repeat this process until the date and time are correct.
6. Press the **PROG**  button to exit the Date/Time setting menu.

2.4. Enabling/disabling the siren

The alarm centre features a built-in 105dB siren. By default, it is enabled.

To disable or enable the siren:

1. Enter programming mode
2. Choose the Siren  menu option.
3. Use the ***/UP**  or ***/DOWN**  buttons to change the setting, and the **ARM/DISARM**  button to confirm your selection.

2.5. Enabling/disabling remote notifications





The alarm centre provides remote notifications by telephone. When an alarm is triggered (and if remote notifications are **enabled**), the alarm centre will dial each of the stored phone numbers once per cycle,

and can repeat the cycle up to 5 times. It will continue calling until the system is **DISARMED**. Simply answering the phone call will *not* interrupt the cycles.

The receiver of the phone call will hear a sequence of beeps indicating the triggered zone (see section 4.4.2 - *Receiving an alarm call*).

By default, remote notifications are enabled.




To enable or disable remote notifications:

1. Enter programming mode.
2. Choose the telephone notifications  menu option.
3. Use the ***/UP**  or **#/DOWN**  buttons to change the setting, and the **ARM/DISARM**  button to confirm your selection.

2.5.1. Setting the number of call attempts

By default, the alarm centre is pre-set to attempt 3 cycles of calls. Each cycle consists of calling all the programmed phone numbers. The maximum number of call cycles is 5.




To change the number of cycles:

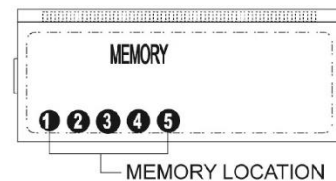
1. Enter programming mode.
2. Choose the **CYCLE** menu option.
3. Use the ***/UP**  or **#/DOWN**  buttons to change the setting, and the **ARM/DISARM**  button to confirm your selection.


2.6. Adding and removing phone numbers


Do not enter your own home phone number as one of the programmed phone numbers. The alarm centre uses your phone line to dial out, and it will not work if it attempts to dial that same. You must also enter complete phone numbers, including area codes and if long distance, include the 1.

To program phone numbers into the alarm centre's memory:





1. Enter programming mode.
2. Choose the **MEMORY** menu option.
3. Press ***/UP**  or **#/DOWN**  and use the **ARM/DISARM**  button to choose a memory location from 1 to 5. The numbers will be dialed in the sequence they are entered.





4. Enter the phone number you'd like to store. Phone numbers can be up to 32 digits long, but only the last 16 digits entered will be displayed on the screen.
 - a. You can use the **PAUSE** function to insert a pause of 4 seconds into the phone number. This can be useful to dial a phone number with an extension, for example 202-555-4635 x234.
 - b. When entering a phone number, press and hold the **DEL./PAUSE**  button for 2 seconds until the letter **F** appears on the screen. This **F** indicates a pause of 4 seconds before continuing to the next digit in the phone number.

5. Confirm the phone number entered with the **ARM/DISARM**  button.
6. Repeat steps 3 and 4 for additional phone numbers.

To delete a phone number from memory:

1. In the **MEMORY** menu option, press ***/UP**  or ***/DOWN**  to scroll to the memory location you wish to erase.
2. Press the **DEL./PAUSE**  button to delete the number, then **ARM/DISARM**  to confirm.




2.6.1. Testing the remote notifications feature

1. In standby mode (the system is disarmed and you have not entered programming mode) press and hold the **PROG**  button for at least 3 seconds, until you hear a short beep.
 - The dialer must be connected to a telephone line for this to function. If it is not connected, you will hear 4 short beeps.
2. Enter the memory location of the telephone number you wish to test with (i.e. 1 – 5). The phone number stored in the specified memory location will be dialed and displayed on screen.
3. Press the **PROG**  button to stop the dialing.

2.7. Configuring the entry delay

The entry delay provides a delay between when a sensor is triggered and the alarm is activated. This allows you to disarm the system after entering your home. You can choose an entry delay of 0, 5, 10, 15, or 20 seconds. By default, the delay is set to 20 seconds.

To change the entry delay:

1. Enter programming mode
2. Choose the **ENTRY** menu option.
3. Use the ***/UP**  or ***/DOWN**  buttons to change the setting, and the **ARM/DISARM**  button to confirm your selection.


2.8. Configuring the call-in feature




The alarm centre allows you to operate the system by calling into it. By default, it has been set to answer the incoming phone call after five (5) rings.

NOTE: You cannot use an answering machine with this feature.

- If you want to enable the call-in feature, you must program it to answer before your answering machine does.
- If you want to use an answering machine, you must ensure that it is programmed to pick up incoming calls before the alarm centre. We recommend changing the call-in setting to of the alarm centre to 10 rings.

To change how many times the phone rings before the alarm centre picks up the call:

1. Enter programming mode.
2. Choose the dial-in  menu option.




- Use the ***/UP**  or **#/DOWN**  buttons to change the setting, and the **ARM/DISARM**  button to confirm your selection.

3. Linking sensors and other sirens

Every new sensor must be linked to the alarm centre by assigning it to a zone.




3.1. Linking new sensors

Before beginning the process, ensure the sensor is powered on and ready to be triggered. The sensor must be triggered as part of the linking process. If you have any SK6 motion sensors, disable them by covering them with a towel to prevent them from accidentally being triggered during the linking process for another sensor.

- Enter programming mode.
- Choose the **LEARN** menu option.
- Use the ***/UP**  or **#/DOWN**  buttons to choose the zone to which you wish to add a sensor. When a zone is selected, the screen will display one of these messages:
 - NO ID CODE:** The zone is empty and you can link a sensor to it.
 - FULL:** The zone is full and you cannot add a new sensor to that zone without first removing one. You can either choose a different zone or clear the zone to assign (a) new sensor(s).
 - # ID CODE IN:** This indicates the number of sensors currently assigned to the 8S zone. Up to 8 sensors can be assigned to this zone.
- Press the **ARM/DISARM**  button to confirm a zone selection. The selected zone's icon is now displayed and the **LEARN** icon flashes. You are in linking mode.
- Trigger the sensor.
- You will hear a long beep from the alarm centre to confirm that linking was successful, and the screen will display **FULL** or the **# ID CODE IN** for that zone.
- Repeat steps 3 – 6 for additional sensors.


3.2. Removing sensors

You can delete sensors to remove them completely from your system, or to assign them to a different zone. Note that to remove a sensor, you must clear the entire zone. Sensors cannot be removed individually from the 8S or 24-Hour zones.

- Enter programming mode.
- Choose the **LEARN** menu option.
- Use the ***/UP**  or **#/DOWN**  buttons to choose the zone you want to clear. When a zone is selected, the screen will display one of these messages:
 - NO ID CODE:** The zone is empty and you can link a sensor to it.
 - FULL:** The zone is full and you cannot add a new sensor to that zone without first removing one. You can either choose a different zone or clear the zone to assign (a) new sensor(s).
 - # ID CODE IN:** This indicates the number of sensors currently assigned to the 8S zone.
- Press the **DEL./PAUSE**  button to delete the sensor. The zone is cleared and in LEARN mode.

3.3. Linking other sirens or receivers

You can also use the SK678 alarm centre to trigger other SK6 sirens, alerts, or receivers with the alarm centre. For example, you could add an indoor/outdoor siren and have it triggered whenever the alarm cycle is triggered.

To link the SK678 alarm center to another SK6 receiver, see the instructions for linking sensors that came with the other receiver. To trigger the SK678 alarm centre, press the **PANIC**  button. It will send a RF signal for the other receiver to learn.

4. Operation

4.1. Modes

There are 3 modes.

4.1.1. Armed

In **ARMED** mode, all zones are active and will trigger the alarm. The word **ARM** is displayed on the screen.

When a sensor is triggered, the alarm centre screen will display the word **TRIGGER** along with the zone number associated with the triggered sensor. The alarm cycle will begin after the entry delay period (see section 2.7 - *Configuring the entry delay*) if the system is not first disarmed:

- If the siren is enabled, it will sound for 30 seconds on, 30 seconds off, then 30 seconds on.
- If remote notifications are configured, the dialing cycle will begin.

4.1.2. Disarmed

In **DISARMED** mode, only sensors in the 24-hour zone are active and will trigger the alarm.

When a sensor in zones 1 - 8 is triggered, the alarm centre does not respond.

When a sensor in the 24-hour zone is triggered, the alarm cycle will begin immediately:

- If the siren is enabled, it will sound for 30 seconds on, 30 seconds off, then 30 seconds on.
- If the siren is disabled, the unit will beep 4 times.
- If remote notifications are configured, the dialing cycle will begin.

4.1.3. Home (chime)







In **HOME** mode, the alarm centre will chime when a sensor in an active zone is triggered. The screen will display **TRIGGER** along with the triggered zone number for 5 minutes.

The 24-hour zone will still trigger a complete alarm cycle in **HOME** mode:

- If the siren is enabled, it will sound for 30 seconds on, 30 seconds off, then 30 seconds on.
- If remote notifications are configured, the dialing cycle will begin.

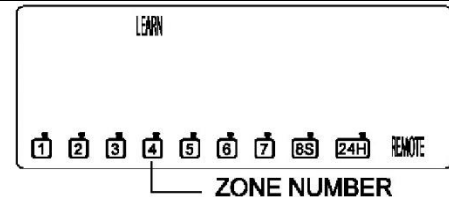
By default, **HOME** mode activates all zones, but you can remove zones from **HOME** mode:

1. Enter your password, then press the **HOME** button.
2. The zone icons will appear at the bottom of the screen, and zone 1 will be flashing.

3. Use the ***/UP**  and **#/DOWN**  buttons to select the zone you wish to enable/disable, and press **ARM/DISARM**  to confirm your selection.
4. Use the ***/UP**  or **#/DOWN**  buttons to change the setting, and the **ARM/DISARM**  button to confirm your selection.
5. Press the **HOME** button to exit programming mode.

4.2. Zones

The alarm centre has 10 separate zones. Sensors are linked to a specific zone. When an alarm is triggered, the zone of the triggered sensor is displayed on screen, or indicated over the phone by a sequence of beeps.



4.2.1. Zones 1-7

Zones 1 – 7 can be assigned only one sensor each, and will trigger the alarm only in **ARMED** mode.

4.2.2. Zone 8S

Zone 8S can be assigned up to eight sensors, and will trigger the alarm only in **ARMED** mode.

4.2.3. 24-Hour (always armed) zone


The 24-hour zone can be assigned up to 8 sensors, and will trigger the alarm in **any** mode.

4.2.4. Remote zone

The Remote zone can be assigned up to 8 remote controls.


4.3. Operating by keypad

4.3.1. Arming

1. Enter your password followed by the **ARM/DISARM**  button.
2. The word **ARM** will appear on screen and you will hear three short beeps, followed by a 60-second exit delay.
3. If a door or window is open, the system will beep for 5 seconds and the screen will show “**CLOSE PLEASE**” along with the zone number.
4. After 60 seconds, you will hear another beep. The system is now armed. If the open sensor has not been closed, the alarm cycle will start.

NOTE: Arming the system while in **HOME** mode will disable **HOME** mode. After disarming, you will need to activate **HOME** mode again.

4.3.2. Disarming

1. Enter your password, followed by the **ARM/DISARM**  button.
2. You will hear one long beep, and the word **ARM** will no longer appear on screen.

4.3.3. Activating Home Mode


1. Press the **HOME** button once.

2. You will hear a chime and the word **HOME** will appear on screen, followed by a 60-second exit delay.
3. After 60 seconds, you will hear another beep. The system is now in **HOME** mode.

4.3.4. Exiting Home Mode


1. Press the **HOME** button once.

4.3.5. Panic

Pressing the **PANIC**  button will trigger the alarm cycle immediately:

- If the siren is enabled, it will sound for 30 seconds on, 30 seconds off, then 30 seconds on.
- If the siren is disabled, the unit will beep 4 times.
- If remote notifications are configured, the dialing cycle will begin.

4.3.6. Deactivating the alarm

To deactivate the alarm once it has been triggered in any mode, enter your password followed by the **ARM/DISARM**  button.

4.4. Operating by phone

You can operate the system via telephone by either receiving a call after a triggered alarm, or by calling in. In either case, you can use the following commands:

Function	Dial
Arm the system	5#
Deactivate alarm	6#
Disarm the system	6#
End the call	3#
Monitor live audio from the room	1#

4.4.1. Calling in

1. Dial the phone number of the line to which the alarm centre is connected
2. After the configured number of rings (see section 2.8 - *Configuring the call-in feature*), alarm centre will pick up.
3. Enter your password on the telephone keypad. You will hear two beeps confirming you are connected. If you enter the wrong password, the call will disconnect and the alarm centre will issue 5 beeps.

4.4.2. Receiving an alarm call

When you receive a call following a triggered alarm, you will hear a sequence of beeps indicating the triggered zone:

Beep sequence	Triggered Zone
One short beep, repeating	1 – 8 (not differentiated)
2 short beeps, repeating	24-hour zone
4 short beeps, repeating	Panic trigger

4.4.3. Monitoring live audio

1. Dial 1#.
2. You will be able to listen to live audio from the room where the dialer is installed.
3. After 30 seconds, you will hear a beep, reminding you that if you do not enter another code within 20 seconds, the call will disconnect. Dial 1# again at any time to extend room monitor.

4.4.4. Arming


1. Dial 5# once connected by phone.
2. You will hear three short beeps and the call will end.
3. If you hear five rapid beeps after the three short beeps, it means a sensor is open. The system will give you 5 seconds to **DISARM** by dialing 6#. If you don't, the system will arm and the alarm cycle will immediately begin.

4.4.5. Disarming


1. Dial 6#.
2. You will hear a beep, and the call will end.

4.5. Operating by remote control


4.5.1. Arming

To arm the system using a remote control, press the **LOCK**  button.

4.5.2. Disarming

To disarm the system using a remote control, press the **UNLOCK**  button.

4.5.3. Panic

To immediately trigger the alarm using the remote control, press the **PANIC**  button.

5. Other functions

5.1. Battery low indicator


The Battery Low indicator LED is flashing once every 1.5 seconds and

- No zone icon appears on screen: The battery in the alarm centre must be replaced.
- A zone icon flashes on screen: The battery in a sensor assigned to that zone is low and must be replaced.


If batteries are low, false alarms may be triggered.

5.2. Alarm history

You can review the last 5 triggered zones.

1. In standby mode (the system is not **ARMED** and you have not entered programming mode), press **#/DOWN** .
2. Once viewed, the text **TRIGGERED** will disappear from the screen

5.3. View stored phone numbers

1. In standby mode (the system is not **ARMED** and you have not entered programming mode), press ***/UP** .

6. Troubleshooting

Problem	Cause & Resolution
The alarm centre will not arm/disarm.	<ol style="list-style-type: none"> a. Make sure you have entered the correct password. b. Try performing a password reset (see section 2.2.2 - <i>Resetting the password</i>). c. Retry the arm/disarm function.
The alarm centre does not dial out and you hear 4 short beeps when an alarm is triggered.	The telephone line is not connected or not functioning.
The alarm centre does not dial out.	<ol style="list-style-type: none"> a. Make sure the telephone numbers are entered and stored correctly, including area code and long distance 1 if necessary. b. Make sure you have not entered the phone number of the line to which the alarm centre is connected. c. Make sure Remote notifications are enabled. d. Make sure the alarm centre is connected to a single phone line. It is not compatible with fax machines or multi-line telephones.
You are receiving false alarms from a specific zone.	<ol style="list-style-type: none"> a. Check the troubleshooting guide for the sensor(s) in that zone. b. Check the installation of the sensor(s) in that zone. A water sensor in a damp area or a contact sensor with more than a ¼" gap, for instance, may cause false alarms. c. Check the batteries in the sensor(s) assigned to that zone. Low batteries can cause false alarms.
You are receiving false alarms.	<ol style="list-style-type: none"> a. Check the AC power and batteries in the alarm centre. Low batteries can cause false alarms.