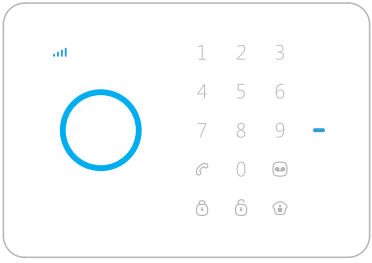
Wild instinct of Technology!



S3 Sim Secual

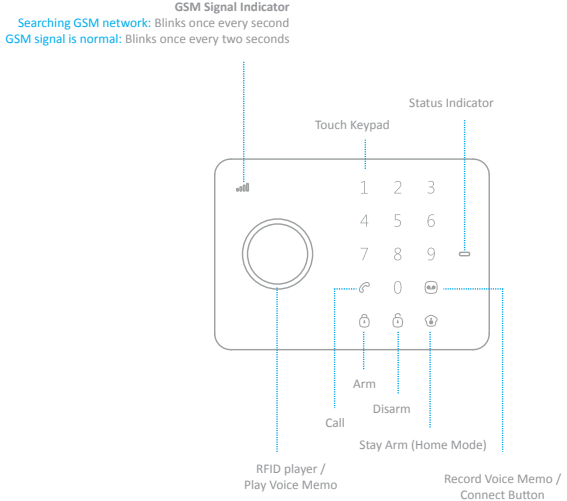
Alarm system with GSM transmitter

www.etiger.com

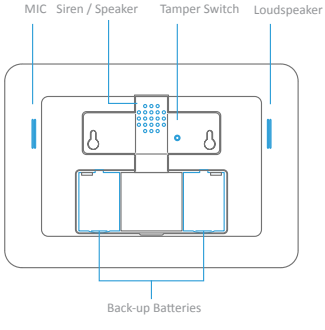
Features

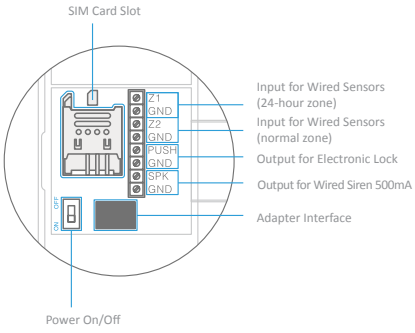
- ARM CPU + Auror CPU
- GSM frequency: 850 / 900 / 1800 / 1900 MHz, suits all phones
- Supports up to 10 remote controls, 50 wireless accessories and 50 RFID tags
- Radio-frequency security of the accessories: more than one million code combinations
- Built-in siren (110dB) and call function from the panel
- Arm / disarm the system by SMS, phone call, or application (on iOS or Android)
- Stores up to 5 phone numbers, 1 speed dial phone number and 1 SMS number for RFID tag notifications
- Grid failure SMS alert
- Accessory low-battery SMS alert
- Built-in 800 mAh lithium batteries (5h battery life in standby mode)

Control Panel Layout (Front)



Control Panel Layout (Back)



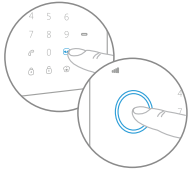


Box Content

S3 Panel x1
AC Adapter x1
PIR Motion Detector x2
Door / Window Contact Detector x2
Remote Control x2
RFID tag x2
Documentation x1

Record / Play Voice Memo

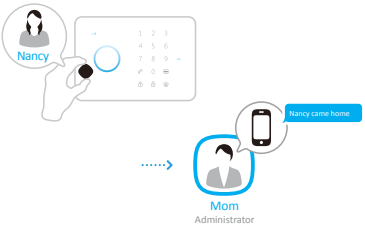
Long press the Record Voice Memo button {} to record a 10-second voice message. The voice message can also be recorded by sending an SMS to the system, as explained in page 7 of this manual. The Play Voice Memo Button blinks when a message has been recorded.
Touch the centrer of the circle on the control panel to listen to the voice memo. The LED indicator turns off when the voice memo is being played. Touch it again to replay the memo.



RFID Tag

The RFID tag can disarm the system and unlock the electronic door (if connected to a wireless keyboard). You can rename RFID tags and store a mobile phone number that will receive an SMS notification when the system is disarmed with a RFID tag.

Note
To start receiving an SMS notification when the system is disarmed by RFID tag, you must store an SMS number and rename the RFID tags (up to 4 RFID tags can be renamed).



Speed Dial

Press the Call Button {}: the panel auto-dials the pre-stored phone number. Press the Call Button {} to end the call. The LED turns off after the call.

Phone Call

Dial a phone number and press the Call Button to start the call. Press the Call Button to finish the call.

Electronic Lock

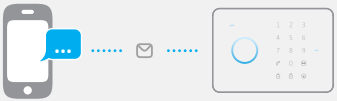
When you disarm the system, the output signal of the panel opens the electronic lock automatically.

SMS Operations

Important

Insert a SIM card in the control panel before starting SMS operations.

Make sure the SIM card does not request any PIN code.



Each SMS operation included in this user manual will be illustrated as follows:

You send:

SMS Command

The first blue speech bubble is the SMS command sent by the user.

The control panel replies:

Control panel's reply

The first grey speech bubble is the reply sent by the control panel.

The speech bubbles that follow are the dialogue between the user and the control panel (SMS sent by the user are in blue, SMS sent by the control panel are in grey).

The system is in English as per default setting. To change the system's language, refer to page 13.

Request the Menu

Send:

?

The system sends the first part of the menu:

'0' Disarm
'1' Arm
'2' Home mode
'3' Two-way talk
'4' Call-back voice memo
'00' Settings inquiry
'??' Store phone and SMS No

Send:

??

The system sends the second part of the menu:

'5' Store phone No.
'6' Store alarm SMS No.
'7' Store SMS No. for RFID tags
'8' Store speed dial phone No.
'???' System setups

Send:

???

The system sends the third part of the menu:

'91~99' Zone name'
'10' RFID tags SMS notice
'11' Entry and exit delay time
'12' Siren volume and ringing time
'13' Disarm password
14' Single zone delay time

Disarm the System

Send:

0

System disarmed.

Arm the System

Send:

1

System armed.

Home Mode

Send:

2

System in home mode.

Two-Way Talk

Send:

3

The system will call you back. Pick up the phone and start the two-way talk.

Call Back to Record a Voice Memo

Send:

4

The system will call you back. Pick up the phone and leave a 10-second message. The call end automatically after 10 seconds.

Settings Enquiry

Send:

00

System status
Entry and exit delay time: 0sec
Single zone delay time: 30sec
Siren volume: 2
Siren ringing time: 5min
Disarm password: 1234

Note
The value of default settings will be changed after having set up the system.

Store Phone Numbers

Send:

5

TEL:
1.
2.
3.
4.
5.

Copy, Paste, then Edit (case sensitive):

TEL:
1. 67890033
2. 67890022
3. 67890011
4. 67890000
5.

Store alarm phone No. successfully.

Store Alert SMS Number

Send:

6

SMS:
1.
2.
3.
4.
5.

Copy, Paste, then Edit
(case sensitive):

SMS:
1. 67890033
2. 67890022
3. 67890011
4. 67890000
5.

Store alarm SMS No.
successfully.

Store SMS No. for RFID Tags Notifications

Send:

7

SMS No. for RFID tags:
(0-20 digits):1

Copy, Paste, then Edit
(case sensitive):

SMS No. for RFID tags:
(0-20 digits): 1. 67890033

Store SMS No.for RFID
tags successfully.

Note
To start receiving an SMS notification when the system is diarmed by RFID tag, you must store an SMS number and rename the RFID tags (up to 4 RFID tags can be renamed).
Other tags will be attributed a number based on the order of registration to the control panel. Refer to the instructions page 14 to learn how to register an RFID tag in the control panel.

Store Speed Dial Phone Number

Send:

8

Speed dial phone number:
(0-20 digits):1

Copy, Paste, then Edit
(case sensitive):

Speed dial phone number:
(0-20 digits): 1. 67890033

Store speed dial phone
number successfully.

Change Zone Name

Send 91~99. For example for zone 1, send:

91

Zone 1 name : Zone 1 alarm

Copy, Paste, then Edit
(case sensitive):

Zone 1 name : Entrance door
sensor

Change zone name seccessfully

Note
The user can rename zones 1 to 9. The name of the zone cannot consist of more than 30 English characters per line due to SMS character limit. Zone 10 to 50 cannot be renamed.

SMS Alert for Accessory Low Battery

(available for two-way acessories such as Motion Detectors)

For accessories assigned to zones that have been renamed, an SMS will be sent under the format "Zone name + low battery".

Bedroom PIR low battery

For accessories assigned to zones that have not been renamed, an SMS will be sent under the format "Zone number + low battery".

Zone 10 low battery.

SMS Alert for Accessory Tamper Alarm

(available for two-way acessories such as Motion Detectors)

For accessories assigned to zones that have been renamed, an SMS will be sent under the format "Zone name + tamper alarm".

Bedroom PIR tamper alarm.

For accessories assigned to zones that have not been renamed, an SMS will be sent under the format "Zone number + tamper alarm".

Zone 10 tamper alarm.

Rename RFID Tag for SMS Notice

Send:

10

Change RFID Tag SMS Notice :
1.
2.
3.
4.

Copy, Paste, then Edit (case sensitive):

Change RFID Tag SMS Notice :
1. Tom
2. Nurse
3. Nancy
4. David

Change RFID Tag SMS Notice successfully.

Note

To start receiving an SMS notification when the system is diarmed by RFID tag, you must store an SMS number and rename the RFID tags (up to 4 RFID tags can be renamed).
Other tags will be attributed a number based on the order of registration to the control panel. Refer to the instructions page 14 to learn how to register an RFID tag in the control panel.

Entry and Exit Delay Time

Send:

11

Entry and exit delay time (0-300 sec.):
0

Copy, Paste, then Edit (case sensitive):

Entry and exit delay time (0-300 sec.):
30

Set delay time successfully.

Note

This function can be used if you do not want to bring a remote control or RFID tag with you. When the system is being armed, one beep will be heard every second to remind you to leave. The beep rhythm will speed up during the last 15 seconds. If an intruder is detected, the alarm will be delayed accordingly.

Siren Volume and Ringing Time

Send:

12

Siren volume (0 Mute, 1 Low, 2 High):
2
Siren ringing time (1-9min):
5

Copy, Paste, then Edit (case sensitive):

Siren volume (0 Mute, 1 Low, 2 High):
2
Siren ringing time (1-9min):
5

Set siren volume and ringing time successfully.

Disarm Password

Send:

13

Disarm password (4-6 digits):
1234

Copy, Paste, then Edit
(case sensitive):

Disarm password (4-6 digits):
8888

Set disarm password
successfully.

Single Zone Delay Time

Send:

14

Single zone delay time
(0-300 sec.):
30

Copy, Paste, then Edit
(case sensitive):

Single zone delay time
(0-300 sec.) :
15

Set single zone delay time
successfully.

Note
This function will only affect the detectors assigned to the "Single Delay Zone" (Zone B). To learn how to assign a detector to a Single Delay Zone, please refer to the paragraph "Zone Setup of Wireless Accessories" of this User Manual (page 16).

Change system language

Send "0033" to set the language system as French

0033

Réglage de la langue "français" réussi.

Send "0001" to set the language system as English

0001

Set English successfully.

Delete Wireless Accessories by SMS

Send:

21

Delete wireless accessories
successfully.

Delete RFID Tags by SMS

Send:

22

Delete RFID tags successfully

Press the Tamper Switch at the back of the control panel 3 times in 3 seconds, both wireless accessories and RFID tags will be deleted. Two beeps indicate that the accessories and RFID tags have been deleted.

Restore System to Default Settings by SMS

Send:

0000

System has been restored
to factory settings.

Press the Tamper Switch at the back of the control panel 5 times in 3 seconds, the system will be restored to factory settings. Two beeps indicate that the system has been restored to factory settings.

Only stored numbers can send SMS to restore the system.

Arm & Disarm by Phone Call

Arm
Call the control panel number and hang up when you hear the ring tone: the system is armed.

Disarm
Call the control panel number and hold on until the panel ends the call: the system is disarmed.

Register Wireless Accessories & RFID Tags

Type your 4-digit password. Press the Connect Button {} on the control panel: the LED indicator lights up. Trigger the accessory (for the RFID tag, swipe it in front of the blue circle of the control panel) once within 15 seconds. You hear one beep: the registration is successful.

Default password is 1234.

If the accesory has already been registered, the control panel will beep twice. The first accessory registered is assigned to zone 1, the second accessory registered is assigned to zone 2, etc. Zones 1 to 9 can be renamed. Zone 10 to 50 cannot be renamed.

Register Wireless Siren

Operation

Press the Connect Button of the wireless siren. The Connect Button LED indicator lights on. Press the Arm button on the control panel. The panel beeps once: the siren is registered.

Testing

Press the Arm Button on the remote control to make sure that the internal siren and wireless siren both beep once. If so, they are registered. If not, the registration has failed; register them again.

If an intruder is detected, both the internal siren and the wireless siren will ring out. (The siren will turn off after 5 minutes, as per default setting).

Important

When the alarm is triggered, the alarm system sends an SMS and calls the stored numbers. If one of the users answers the call, the siren stops immediately and audio monitoring of the site starts.

Alarm System Specifications

Product name
S3 Sim Secual

Model
S3-S

Control panel's power supply
Input: AC 110-240V / 50-60 Hz
Output: DC 12V / 500 mA

GSM working frequency
850 / 900 / 1800 / 1900 mHz

Standby current
110ma

Alarm current
340mA

Internal battery backup
Lithium Battery: 3.7V / 800 mAh x 2 (BL-5B)

Internal siren
110dB

Wireless accessories supported
10x Remote Controls, 50x Wireless Accessories, and 50x RFID Tags

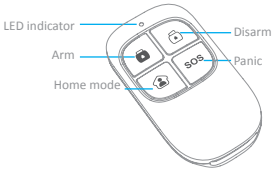
Radio frequency
315MHz / 433MHz (±75KHz)

Housing material
ABS plastic

Operating condition
Temperature: -10°C~55°C
Humidity: ≤ 80% (non-condensing)

Control panel dimensions (L x W x H)
188 x 132 x 26 mm

Wireless Remote Control

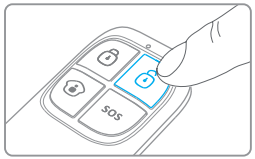


Arm the system

Press the Arm button {} to arm the alarm system. The LED indicator lights up (the siren rings out once). The system is armed.

If an intruder is detected, the siren rings out. (The siren turns off after 5 minutes as per default setting.) In the meantime, the system dials the pre-stored phone numbers automatically.

Disarm the system

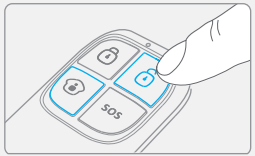


Press the Disarm button {} to disarm the alarm system. The LED indicator turns off (the siren rings out twice). The system is disarmed.

Home Mode

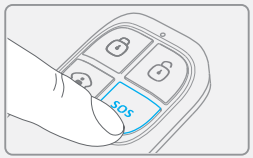
Press the Home Mode button {} on the remote control. The system state LED is on. All the sensors in regular zones are armed except those in the Home Mode zone. The sensors in the Home Mode zone are disarmed so that users can move inside their home.

Mute Mode



Press the Stay button {} on the remote control. Press the Arm button {} or the Disarm button {}. When arming or disarming the system, the siren does not ring out: the system is armed or disarmed in Mute Mode.

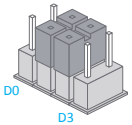
Emergency Mode



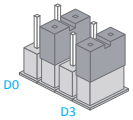
Regardless the status of the system, the alarm is triggered when the Panic button {SOS} is pressed on the remote control.

Zone Setup of Wireless Accessories

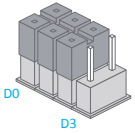
Every detector can be assigned to 4 different categories of zones: Home Mode Zone, Single Delay Zone, Normal Zone and 24-H Zone. To assign a detector to a zone, open its case and move its jumpers according to the drawing below:



A. Home Mode Zone



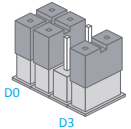
B. Single Delay Zone



C. Normal Zone

The PIR motion detector is set in Home Mode Zone by default. It is recommended to set the Door / Window Contact at the entrance of your home in Single Delay Zone.

After a zone has been changed, the detector must be registered in the control panel again.



24-H Zone

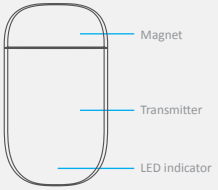
Note
It is recommended to set the smoke detector, the gas detector and the outdoor beam sensor at 24-H zone.

Wireless Door / Window Contact

Features

The ES-D3A is a Door / Window Contact that can be installed on doors, windows, and any other objects that open and close. The sensor sends signals to the control panel when the magnet installed next to the sensor is deconnected.

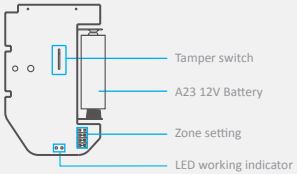
Thanks to the tamper switch, any attenpt to move the Door / Window Contact will trigger the alarm.



LED indications

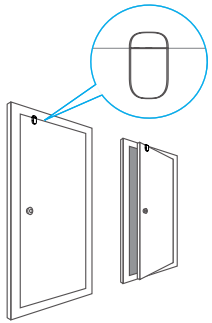
Blinks once: the door or window is open and the transmitter sends a signal to the control panel.
Blinks quickly: Low power indication: the batteries must be replaced.

PCB Layout



Installation

- Open the case and remove the battery activation strip.
- Mount the sensor on the door and the magnet on the door frame.
- Make sure the magnet is placed above of the transmitter.
- Mount the magnet max. 1cm away from the transmitter and secure the transmitter and magnet with double-sided tape or screws.
- Avoid mounting the sensor in areas with a large amount of metal or electrical wiring, such as a furnace or utility room.



Specifications

Power supply
DC 12V (A23 12V Battery x 1)

Static current
≤ 30 uA

Alarm current
≤ 40 mA

Transmitting distance
≤80 m (in open area)

Radio frequency
315 MHz / 433 MHz (±75 KHz)

Housing material
ABS plastic

Operating temperature
-10°C~55°C

Relative humidity
≤80% (non-condensing)

Transmitter dimensions (LxWxH)
71 x 34 x 17.5 mm

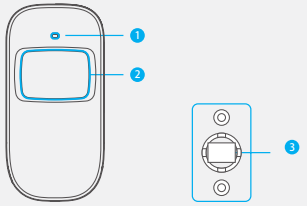
Magnet dimensions (LxWxH)
51 x 12 x 13.5 mm

Wireless PIR Motion Detector

Features

ES-D1A (or ES-D2A: Pet-Immune Motion Detector) is a high performance wireless P.I.R. motion detector. It boasts a digital dual-core fuzzy logic infrared control chip with intelligent analysis. This technology identifies interferences created by body motion and reduces the false alarm rate.

With automatic temperature compensation and anti-air turbulence technology, it easily adapts to environmental changes.

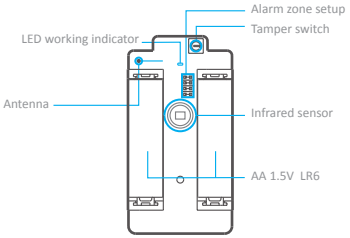


1. LED indicator
2. Detection window
3. Bracket

LED indications

Blinks continuously: self-testing
Blinks once: an intruder is detected
Blinks twice: self-testing is complete; entering working mode.
Blinks once every 3 seconds: under-voltage indication: the batteries must be replaced. (The user will be informed by SMS when the batteries are low if the PIR Motion Detector is registered in the control panel.)

PCB Layout



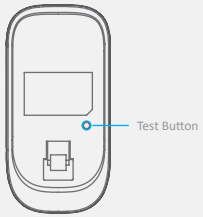
Infrared sensor
Detects the infrared rays released by human body motion. Do not touch the surface. Keep the surface clean.

Tamper switch
When the alarm system is armed, the tamper switch will trigger the alarm if the case is opened.

Usage

Open the case and remove the battery activation strip to activate the batteries. Self-testing will start for one minute.

Mode Setting



Testing mode
Once the self-testing is complete, press the test button. The sensor switches to testing mode, and scans once every 10 seconds. After 3 minutes, the LED blinks twice, and the sensor switches to working mode.

Working mode
In working mode, if the sensor is triggered more than twice within 3 minutes, it will switch to standby mode to save power. If a movement is detected within the next 3 minutes, the standby mode is extended by 3 more minutes. If no movement has detected within these 3 minutes, the detectors turns back to working mode.

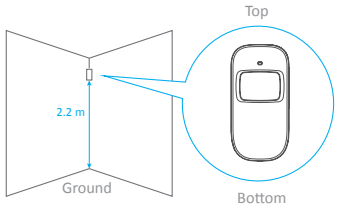
Register in the control panel
Press the Connect button {CONNECT} on the control panel. Press the test button of the sensor twice. The control panel beeps once: the motion detector is registered.

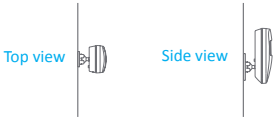
To check if the registration is complete, arm the system and trigger the sensor again. If the siren rings out, the registration is successful.

Installation

Avoid mounting the detector close to windows, air conditioner, heater, refrigerator, oven, sunshine and places where the temperature changes fast or where the air stream flows frequently.

If two detectors are installed in the same detection scope, adjust the location to avoid interferences and false alarms.





Fix the bracket on the wall with screws and attach the detector to the bracket. Adjust the bracket to change the detection distance and angle. It is recommended to mount the detector 2m from the ground.

The detector is more sensitive to cross movements than vertical movements.

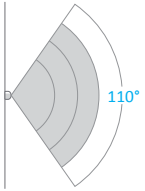
Testing

A. After one minute of self-testing, press the test button, walk in the scope of detection and watch the LED indicator to make sure the detector is working.

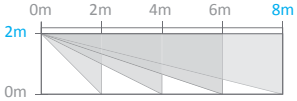
B. The LED indicator blinks once when body movement is detected.

C. Adjust the detector angle to achieve the best detection performance.

Detection Scope



Top view



Side view

Specifications

Power supply
DC 3V (AA 1.5V LR6 Batteries x 2)

Static current
≤ 50uA

Alarm current
≤ 9.5 mA

Detection scope
8m / 110°

Trating distance
≤ 80m (in open area)

Radio frequency
315 MHz / 433 MHz (±75 KHz)

Housing material
ABS plastic

Operating Condition
Temparature: -10°C~55°C
Relative humidity: ≤ 80% (non-condensing)

Detector dimensions (L x W x H)
108 x 52 x 36.8 mm

Bracket dimensions (L x W x H)
52 x 30 x 26.5 mm

Standards

This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European Directive 2002/96/EC in order to be recycled or dismantled to minimize its impact on the environment.

For further information, please contact your local or regional authorities.

Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.

CE
In compliance with European laws.

RoHS COMPLIANT
This product was designed and manufactured in compliance with Directive 2002/95/EC of the European Parliament and of the Council on the restriction of use of certain hazardous substances in electrical and electronic equipment (RoHS Directive - RoHS) and is deemed to comply with the maximum concentration values set by the European Technical Adaptation Committee (TAC).

Manufactured in China.

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