

# GSM/PSTN/LCD/RFID Touch Alarm System



Please read this user manual carefully before using  
Please kindly keep this manual for your reference when necessary.

## Features

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- 100% wireless configuration, D.I.Y. installation
- Fashion design with digital touch keypad
- LCD display with guide menu, easy for programming
- High quality MCU
- Built-in 1, 000, 000 RF codes combination maintains high reliability
- Support 30 remote controls, 100 wireless sensors and 50 RFID tags
- Store 6 alarm phone numbers
- 10 seconds alarm voice message recordable
- Disarm the system by RFID tags
- Support low power feedback for wireless sensors
- Support maximum 150 alarm event logs
- Control panel can dial calls directly
- Remote arm, disarm and monitor by phone operation
- Duress code enables sending out alarm notification mutely
- One group of auto arm and disarm
- Support exit/entry delay
- Rename all zones and RFID tags
- Voice prompt during phone remote control

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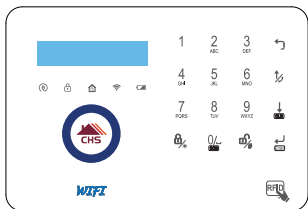
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Features  
Appearance  
LED Indication  
PCB Layout  
Working Mode  
Installation  
Specifications

# Included Accessories

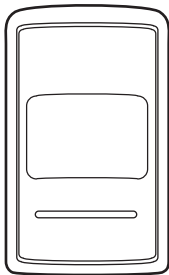
## Control Panel x1



The control panel is known as the “heart and brain” for alarm system, which is used for receiving and processing signals from wireless sensors and remote controls. Users can make settings freely with the keypad and LCD display. In case of emergency, the panel hoots on site and dials the pre-stored alarm phone numbers automatically. When users pick up the phone, they are able to hear alarm voice message and choose to monitor on site or disarm the system.

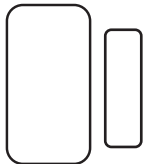
## Pet-Immune PIR Motion Detector x 1

The wireless PIR Motion Detector is an intelligent passive infrared motion sensor, designed to detect human movements within an approximate range of 6 to 11 meters from the detector.



RFID Tag x 2

The RFID tag is for disarming the system and unlocking the Electronic door lock (if Connected).



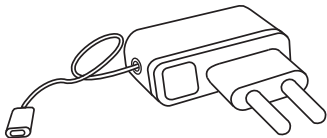
## Wireless Door/Window Contact x 1

The Door/window contact can be installed on doors, windows and any other objects that open and close. The sensor transmits signals to the control panel when a magnet mounted near the sensor is moved away.



## Wireless Remote Control x 2

The remote control is compact and portable; it is convenient to carry it to arm, disarm, Home arm the alarm system and also make an emergency call.



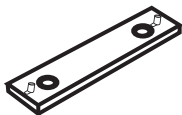
AC Adapter x 1

Supply power to the control panel. In case of power failure, two built-in backup Batteries in the panel will support 5-hour standby.

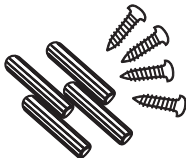


Telephone Cable x 1(for CHS-801)

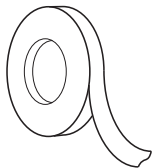
Connect PSTN land line to the control panel. In case of emergency, the panel will hoot on site and call the pre-stored alarm phone number to notify Users.



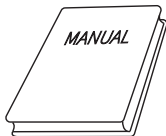
Brackets (wall-mounted and desktop) for control panel x 2



Screws x 4



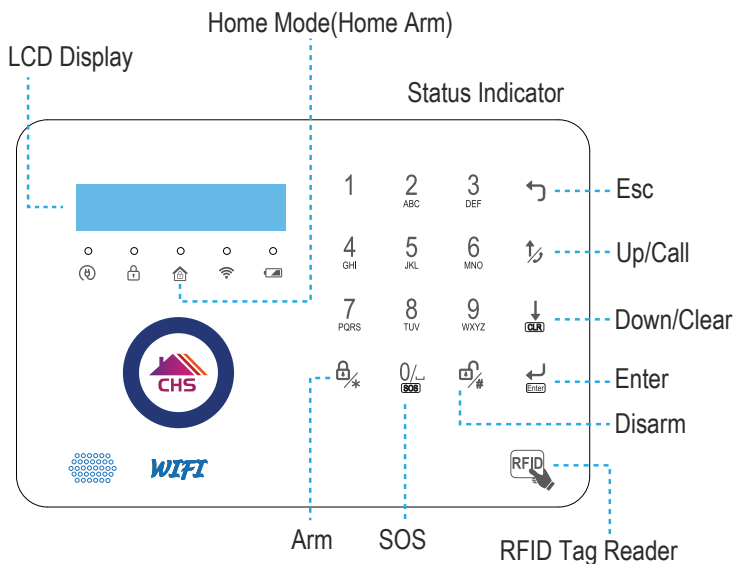
Double-sided tape for Door/Window Contact x 1



User Manual x 1

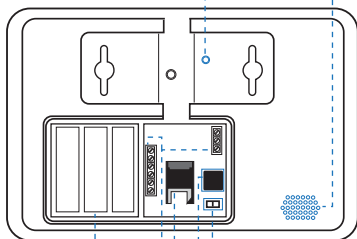
# Control Panel Layout

## Front Side



# Rear Side (CHS-802)

MIC Speaker Tamper Switch Buzzer



Backup Batteries

SIM Card Socket

Interfaces for Wired Sensors

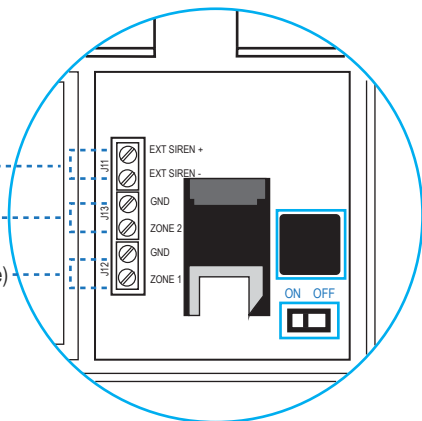
Power ON/OFF

AC adapter Interface

Output Wired Siren  
( $\leq 500\text{mA}$ )

NC Input for Wired Sensor  
(Normal Zone)

NC Input for Wired Sensor (24H Zone)

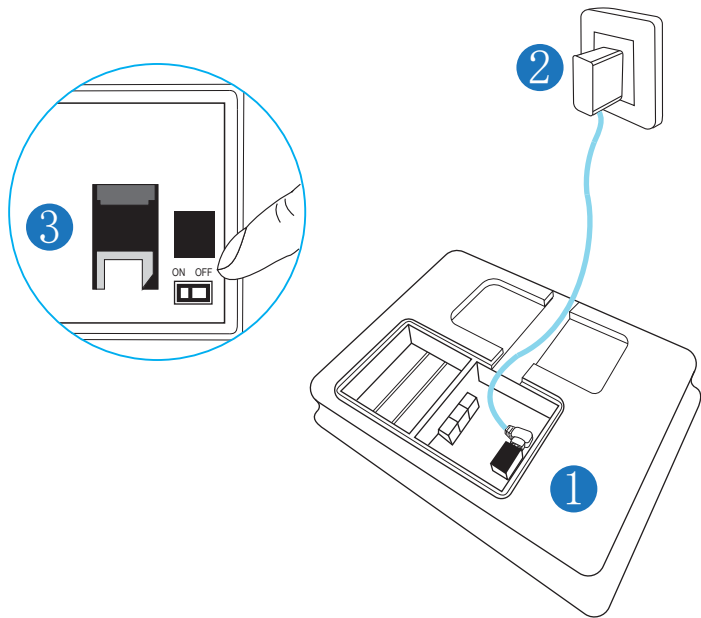


# Preparation before Use

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## 1.Power on

- ① Plug the output connector of AC adapter into the adapter interface of control panel.
- ② Plug the AC adapter to wall power socket.
- ③ Turn the power switch from OFF to ON.



## **2. Connect PSTN Land Line (CHS-801)**

All is a PSTN alarm system which will auto dial the pre-stored phone number when the system detects intruders. Please make sure the panel has been connected to PSTN land line to ensure safety.

Connect the smaller connector of provided telephone cable to the PSTN land line interface at the back side of the panel.

Connect the other end of the telephone cable to the signal output provided by PSTN land line operator.

Insert SIM Card. (CHS-802)

Using a valid SIM Card to insert into the SIM Card Socket.

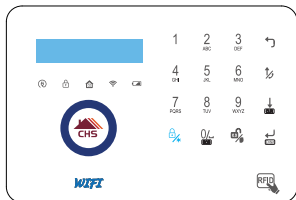
## **3.Installation**


Fix the wall mounting bracket on the wall with screws.

Wedge the panel on the bracket, make sure they fit well.

## 1. Alarm Control

### Arm (Away Arm)



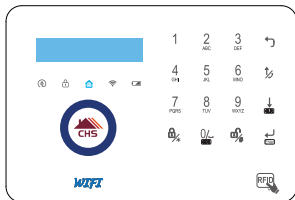
Press the [ **Arm**  ] button on the control panel, the system enters Arm state when one beep is heard and the Arm LED Indicator lights on.


#### Note!

If Entry/Exit Delay is activated, all zones except the 24-hour zone will enter Arm state after the set Exit delay time.

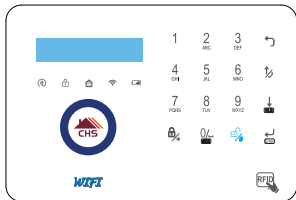
The Delay Sensors will enter Arm state after the set Exit delay time.


### Home Mode (Home Arm)



Press the [ **Home Mode**  ] button on the control panel, the system enters Home Mode when one beep is heard and the Home Arm LED Indicator lights on. All the Normal Sensors are armed except the Home Arm Sensors which are disarmed so that users can move freely at home.

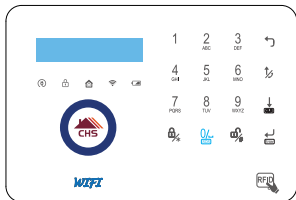
## Disarm




Input user code or admin code first, then press the [ **Disarm**  ] button, the system enters Disarm state when one beep is heard and the Arm or Home Arm LED will lights off.

## Emergency call

SOS



Hold the [ **0/L**  ] button for 2 seconds when the LCD display is activated, the system goes into emergent alarming state with siren hooting, meanwhile the panel will auto dial pre-stored alarm phone numbers.

## 2. Access Control System

The control panel has a RFID reader for unlocking the electronic door lock by disarming the system. Just place the RFID tag close to the RFID reader, the green LED indicator flashes once. The system is disarmed and the electronic door lock is open (If connected)

## 3. Dialing Calls

The control panel has a built-in call module. Make sure the PSTN land line is connected and the credit is enough, you can use the panel to make calls. When the control panel is not in report alarm state, press [ Call ↑ ] button, input the phone number and press [ Call ↑ ] button again, the line will get through. If you input wrong numbers, press [ CLR ↓ ] button and input again Press [ ↵ ] button to cancel dialing or press [ Call ↑ ] button to end a conversation.

## 4. Function Setting

Input the admin code, and then press [ Enter ] to enter setting menu.

↑ UP	Enter (↵)	Confirm
↓ DOWN	Esc (↶)	Back to last step

## LCD Display Contents

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<b>System Status</b>	<b>Display content</b>
Stand-by	Line Disconnect
	AC Power Failure
	Panel Low Battery
	Sensor 1-100(Sensor Name)
Arm or Disarm	System Arm
	System Disarm
	System Home Arm
	Remote Arm
	Remote Disarm
	Remote Home Arm
	RFID 1-50(RFID Name) Disarm
Alarm	Alarm SOS
	Alarm Panel Tamper
	Alarm Wired Sensor
	Alarm Sensor 1-100 (Sensor Name)

## LCD Display Menu

When LCD is activated, input the admin code, and then press Enter to enter setting menu.

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3
Phone Numbers	Add Phone Number	Alarm Number1-6	—
	Del Phone Number	Alarm Number1-6	—
Accessories	Remote	Add	—
		Delete	ALL
			Remote (01-30)
	RFID Tag	Add	—
		Delete	ALL
			RFID (01-50)
	Edit Name	RFID (01-50)	
	Wireless Sensors	Add	—
		Delete	ALL
			Sensor (01-100)
		Edit	Sensor (01-100) Edit Sensor Type (Normal Sensor, 24 Hour Sensor, Delay Sensor, Home Sensor) Edit Sensor Name
Test Mode	—	—	

<b>System Settings</b>	Date And Time	Date	—
		Time	—
	Entry Delay < 010S >		—
	Exit Delay < 010S >		—
	Backlight Time < 030S >		—
	Alarm Time < 030S >		
	Auto Arm/ Disarm	Auto Arm Time <00:00:00>	—
		Auto Disarm Time <00:00:00>	—
	Control by Phone	On Off	—
	Keypad Tones	On Off	—
	Access Code	Admin Code	Input 6 Digits <Default Code 123456>
		User Code	Input 4 Digits <Default Code 1234>
		Duress Code	Input 4 Digits <Default Code 1111>
	Alarm Message	Record	—

<b>System Settings</b>	Siren Setup	Wired Siren	Siren On/Off <On/Off>
		Wireless Siren	Siren On/Off <On/Off>
		Built-in Siren	Siren On/Off <On/Off>
	User ID <1234>	Input 4 Digits	—
	Arm Upload	On Off	—
	Disarm Upload	On Off	—
	Reset	—	—
History	—	—	—

## Settings

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When LCD is activated, input the admin code, and then press [Enter] to enter setting menu.

### 1. Alarm Phone Number Setup

User can set 6 user phone numbers, system will dial 6 user phone numbers in sequence one by one while alarming. System will dial all the user phone numbers in 2 cycles until the phone is answered or any press on phone buttons.

#### Add Alarm Phone Number

- ① Log on the menu, choose "Phone Numbers", press [Enter].
- ② Press [↓] or [↑], choose "Add Phone Number", press [Enter].
- ③ Press [↓] or [↑], choose "Alarm Number1-6", press [Enter].
- ④ Input alarm phone numbers in order, press [Enter].

#### Note!

If user want to check or edit the stored phone number, enter "Alarm Number 1-6"to check and edit.

## Delete Alarm Phone Number

- ① Log on the menu, choose "Phone Numbers", press [Enter]
- ② Press [↓] or [↑], choose "Delete Phone Number", press [Enter]
- ③ Press [↓] or [↑], choose "Alarm Number 1-6", press [Enter].
- ④ Delete the alarm phone numbers in order, press [Enter] again

## 2.Add/Delete/Edit Accessories

The control panel only receives signal from accessories after they are connected to the control panel.

Add/Delete Remote Controls or Wireless Keypads

### Add

- ① Log on the menu, press [↓] or [↑], choose "Accessories", press [Enter]
- ② Press [↓] or [↑], choose "Remote", press [Enter].
- ③ Press [↓] or [↑], choose "Add", press [Enter].
- ④ LCD display will show "Please connect", press any button from the remote control to enable signal transmitting to the control panel. When a beep is heard, LCD display will show "Remote (01-30)", connection succeeded.

## Note!

When adding wireless keypad to control panel, please enter access code and then press "arm" or "disarm" button on the wireless keypad. When a "beep" is heard, the system is connected to the panel successfully.

## Delete

If user wants to delete the added remote controls or RFID wireless keypads, please choose "Delete" in the step ③ as above and press [Enter]. Then Choose, to delete all or specific remote controls or wireless keypads, press [Enter] again.

## Note!

If two beeps is heard when coding, the accessory is coded already.

## Add/Delete/Edit RFID Tags

### Add

- ① Log on the menu, press [↓] or [↑], choose "Accessories", press [Enter].
- ② Press [↓] or [↑], choose "RFID Tag", press [Enter].
- ③ Press [↓] or [↑], choose "Add", press [Enter].
- ④ LCD display will show "Please connect", put the RFID tag close to the RFID reader on the control panel. When a beep is heard, LCD display will show "RFID (01-50)", connection succeeded.

### Delete

If user wants to delete the added RFID cards or tags, please choose "Delete" in the step ③ as above and press [Enter]. Then choose to delete all or specific RFID cards or tags, press [Enter] again.

## Edit

If user wants to rename the added RFID cards or tags, please choose "Edit Name" in the step ③ as above and press [Enter], then input the name.

## Add/Delete/Edit RF Sensors

### Add

- ① Log on the menu, press [↓] or [↑], choose "accessories", press [Enter].
- ② Press [↓] or [↑], choose "RF Sensors", press [Enter].
- ③ Press [↓] or [↑], choose "Add", press [Enter].
- ④ LCD display will show "Please connect ", trigger the detector once to make it send wireless signal to the control panel. When a beep is heard, LCD display will show "Sensor (01-50)", connection succeeded.

### Delete

If user wants to delete the added sensors, please choose "Delete" in the step ③ as above and press [Enter]. Then choose to delete all or specific Wireless sensors, press [Enter] again.

## Edit

### Type of Sensors

- ① Log on the menu, press [↓] or [↑], choose "Accessories", press [Enter].
- ② Press [↓] or [↑], choose "RF Sensors", press [Enter].
- ③ Press [↓] or [↑], choose "Edit", press [Enter].
- ④ Press [↓] or [↑], choose "Sensor 01-100", press [Enter].
- ⑤ Press [↓] or [↑], choose "Edit Sensor Type", press [Enter].
- ⑥ Press [↓] or [↑], choose one type of "Normal Sensor/ 24 Hour Sensor/ Delay Sensor/ Home Sensor", press [Enter].

**Normal Sensor:** In armed mode, when normal sensors are triggered, alarm system will alarm. In disarmed mode, when normal sensors are triggered, alarm system will not alarm.

**24 Hour Sensor:** Under any circumstances, when 24 Hour Sensors are triggered, alarm system will alarm at once.

**Delay Sensor:** If user wants to use the entry and exit delay, related sensors need to be set in entry and exit delay zone. When set is done, after set Delay time, those sensors will make system alarm. Refer to Entry and Delay Setup for details.

**Home Sensor:** In home mode, only normal sensors will be triggered for alarming while home sensors will not be triggered. This will allow user to move freely at home.

Chime sensor

Disable Sensor

Names of Sensors

If user wants to rename the sensors, please choose "Edit Sensor Name" in the step ⑤ and press [Enter]. Then input the sensor name.

## 3. System Settings

### 3.1 Date and Time

Date

- ① Log on the menu, press [↓] or [↑] choose "System Settings", press [Enter].
- ② Press [↓] or [↑], choose "Date and Time", press [Enter].
- ③ Press [↓] or [↑], choose "Date", press [Enter]
- ④ Input date, press [Enter].

## Time

The default time is on 24 hours standard.

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Date and Time", press [Enter]
- ③ Press [↓] or [↑], choose "Time", press [Enter]
- ④ Input current time, press [Enter].

### 3.2 Entry / Exit Delay

If user is not used to taking along with the remote control, entry and exit delay could be set in the system. Following is the operation instruction for arming and disarming. When entry and exit delay is set, user could exit the house in set time period, then system will be armed automatically; when user is back without disarming the system, entry delay will allow time for user to disarm the system. Otherwise, the system will treat this as an intrusion and it will be triggered and send out alarming alert

#### Note!

The Entry delay is only for delay sensors.

The Exit delay is only for both delay and normal sensors.

#### Entry Delay

Entry delay is set to leave time for user to disarm the system before the sensors send signal to control panel after triggering after the set time.

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Entry Exit Delay", press [Enter].
- ③ Press [↓] or [↑], choose "Entry Delay", press [Enter].
- ④ Input time for entry delay; press [Enter] for confirmation.

Entry delay time is calculated on seconds; default is 0 second (off); setup range is 0-999 seconds.

## Exit Delay

Exit delay is set to leave time for user to exit and then arm the system within the set time.

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Entry Exit Delay", press [Enter].
- ③ Press [↓] or [↑], choose "Exit Delay", press [Enter].
- ④ Input time for exit delay; press [Enter] for confirmation.  
Exit delay time is calculated on seconds; default is 0 second (off);  
setup range is 0-999 seconds.

Once delay time is set, when arm the system, one beep will be heard every second to remind the user to leave.

### 3.3 Backlight Time

User can set standby time for the backlight on the blue LCD display accordingly.

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Backlight Time", press [Enter]
- ③ Input time for backlight time; press [Enter].
- ④ Backlight time is calculated on seconds; default is 20 seconds;  
setup range is 01-99 seconds.

### 3.4 Auto Arm / Disarm

User can set timed arm and disarm according to daily schedule to avoid repeated operation.

#### Auto Arm

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose 'Auto Arm/Disarm', press [Enter]
- ③ Press [↓] or [↑], choose "Auto Arm Time", press [Enter]
- ④ Input exact time for arming; press [Enter]

#### Auto Disarm

- ① Log on the menu, press [↓] or [↑] choose "System Settings", press [Enter] for confirmation.
- ② Press [↓] or [↑], choose "Auto Arm/Disarm", press [Enter]
- ③ Press [↓] or [↑], choose 'Auto Disarm Time', press [Enter]
- ④ Input exact time for disarming; press [Enter]

### Remote Phone Control Operation

#### Method 1

When alarm system is triggered, the control panel will dial pre-stored user phone numbers. When pick up the phone, users can follow the prompt voice to control the panel remotely after recorded voice is heard. (See Instruction Table Below)

## Method 2

- ① User dials alarm system telephone no.; after getting through, alarm system will guide you to input access code.
- ② Input access code (user code or admin code); Press [#].
- ③ Alarm system plays the voice prompt twice to explain the functions.
- ④ User chooses the related instruction to make remote control operation.(See Instruction Table Below)

### Note!

Alarm system will hang up after 30 seconds with no operation.

### Remote Phone Control Instruction Table

Phone Buttons	Function	Explanation
press [ 1 ]	Arm the system	Phone voice prompt "System Armed"
press [ 2 ]	Disarm the system	Phone voice prompt "System Disarmed"
press [ 3 ]	Motior on site	
press [ 4 ]	Talk	
press [ 5 ]	Turn on siren	Deter the Intruder
press [ 6 ]	Turn off siren	Available for the siren stop ringing

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Linecut Alarm", press [Enter]
- ③ Press [↓] or [↑], choose "On" or "Off", press [Enter].  
"On" is to turn on the linecut alarm; "Off" is to turn off the linecut alarm. Default setting is "On", the linecut alarm is on.

### 3.5 Keypad Tone

User can turn on/off keypad tone accordingly

Turn On/Off Keypad Tone

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Keypad Tone", press [Enter].
- ③ Press [↓] or [↑], choose "On" or "Off", press [Enter].
- ④ "On" is to turn on the keypad tone; "Off" is to turn off the keypad tone.  
Default setting is "On", keypad tone is on.

### 3.6 Access Code

All the alarm panels are with default user code, admin code and duress code. Please change all codes before using and keep your codes secret.

#### **Admin Code**

With admin code, user can arm and disarm, make system settings as well as reset codes etc.

- ① Log on the menu, press [↓] or [↑], choose "system Settings", press [Enter]
- ② Press [↓] or [↑], choose "Access Code", press [Enter].
- ③ Press [↓] or [↑], choose "Admin Code", press [Enter].
- ④ LCD display will show "Input 6 Digits", then input 6 digits for code, press [Enter]. (Default Admin Code: 123456)
- ⑤ Input the new admin code, press [Enter]

## User Code

With user code, user can set arm, home mode and disarm the alarm system.

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Access Code", press [Enter]
- ③ Press [↓] or [↑], choose "User Code", press [Enter]
- ④ LCD display will show "Input 4 Digits", then input 4 digits for code, press [Enter]. (Default User Code: 1234)
- ⑤ Input the new user code, press [Enter]

## Duress Code

In case of emergency, when user is violently requested to disarm the system, it's recommended to use the duress code to disarm the alarm system. The panel will silently dial alarm telephone numbers stored.

## Record Alarm Voice

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Alarm Message", press [Enter]
- ③ Press [↓] or [↑], choose "Record", press [Enter]
- ④ LCD display will show "Record 10s Voice" to remind you of the 10 seconds voice recording, press [Enter].
- ⑤ Start voice recording for 10s until the system stops automatically, or press [Enter] to stop recording.

## 3.7 Siren Setup

Users can turn on/off wired siren, wireless siren, built-in siren as well as arm/disarm beep, and set siren ringing time.

### Wired Siren

Wired siren is connected to the control panel by wire.

### Turn On/Off Wired Siren

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Siren Setup", press [Enter].
- ③ Press [↓] or [↑], choose "Wired Siren", press [Enter].
- ④ Press [↓] or [↑], choose "Siren On/Off", press [Enter].
- ⑤ Press [↓] or [↑], choose "On" or "Off", press [Enter]  
"On" is to turn on the wired siren; "Off" is to turn off the wired siren.  
Default setting is "On"; the wired siren is on.

## Turn On/Off Arm/Disarm Beep for Wired Siren

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Siren Setup", press [Enter].
- ③ Press [↓] or [↑], choose "Wired Siren", press [Enter].
- ④ Press [↓] or [↑], choose "Arm/Disarm Beep", press [Enter]
- ⑤ Press [↓] or [↑], choose "On" or "Off", press [Enter]  
"On" is to turn on arm/ disarm beep for wired siren; "Off" is to turn off arm/disarm beep for wired siren.  
Default setting is "On"; arm/disarm beep is on.

## Wireless Siren

Wireless siren is connected to control panel through wireless connection.

### Turn on/off wireless siren

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Siren Setup", press [Enter].
- ③ Press [↓] or [↑], choose "Wireless Siren", press [Enter].
- ④ Press [↓] or [↑], choose "Siren On/Off", press [Enter]
- ⑤ Press [↓] or [↑], choose "On" or "Off", press [Enter]  
"On" is to turn on the wireless siren;  
"Off" is to turn off the wireless siren.  
Default setting is "On"; the wireless siren is on.

## Turn On/Off Arm/Disarm Beep for Wireless Siren

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Siren Setup", press [Enter].
- ③ Press [↓] or [↑], choose "Wireless Siren", press [Enter].
- ④ Press [↓] or [↑], choose "Arm / Disarm Beep", press [Enter].
- ⑤ Press [↓] or [↑], choose "On" or "Off", press [Enter]  
"On" is to turn on arm/disarm beep for wireless siren;  
"Off" is to turn off arm/disarm beep for wireless siren.  
Default setting is "On"; arm/disarm beep is on.

## Built-in Siren

Built-in siren is the siren inside the control panel

## Turn On/Off Built-in Siren

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Siren Setup", press [Enter].
- ③ Press [↓] or [↑], choose "Built-in Siren", press [Enter]
- ④ Press [↓] or [↑], choose "Siren On/Off", press [Enter]
- ⑤ Press [↓] or [↑], choose "On" or "Off", press [Enter]  
"On" is to turn on the built-in siren; "Off" is to turn off the built-in siren.  
Default setting is "On"; the built-in siren is on.

## Turn On/Off Arm/Disarm Beep for Built-in Siren

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Siren Setup", press [Enter].
- ③ Press [↓] or [↑], choose "Built-in Siren", press [Enter].
- ④ Press [↓] or [↑], choose "Arm/Disarm Beep", press [Enter]
- ⑤ Press [↓] or [↑], choose "On" or "Off", press [Enter]

"On" is to turn on arm/disarm beep for built-in siren; "Off" is to turn off arm/disarm beep for built-in siren. Default, setting is "On"; arm/disarm beep is on.

## Alarm Time

### Set Ringing Time for All Sirens

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Alarm Time", press [Enter].
- ③ Input the Alarm time, press [Enter].

Siren Alarm time is calculated as seconds, default setting is 300 seconds.

If 0 second is set, siren will not ring.

## 3.8 Reset

- ① Log on the menu, press [↓] or [↑], choose "System Settings", press [Enter]
- ② Press [↓] or [↑], choose "Reset", press [Enter] to reset the system to default setting.

### Note!

All system settings will be restored to default setting. Reset will not delete the accessories that has already coded to the control panel.

If user forgot the admin code and cannot setup the system, please contact local distributors.

## Check Event Logs

Users can check the event logs freely. 150 event logs are traceable.

- ① Log on the menu, press [↓] or [↑], choose "History", press [Enter]
- ② Press [↓] or [↑], choose the event log you need to track, press [Enter]
- ③ Relevant event log time and alarm way will be shown.

### Note!

Hold [↓] or [↑] to skip the event logs.

## Precautions

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To prevent harm to users or other people during usage of the product and to extend the lifespan of the product, please follow the precautions below:

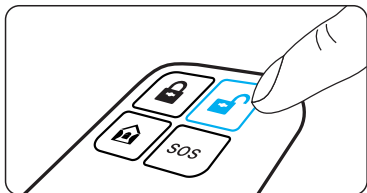
<b>General Instruction</b>
The wireless accessories should be connected to the control panel before use.
Low power voltage would affect transmitting distance range.
2 cells of 3.7V/800mAh battery backup or standard power adapter for power supply.
All accessories from our company are compatible with this control panel.
Do not press SOS key if there is no emergency to avoid disturbing neighborhood.
Check the system regularly to ensure the system works properly in case of emergency.
The control panel is neither waterproof nor moisture-proof, please install it in a shady, cool and dry place.
The case of the control panel is made of ABS. Please keep it away from strong light for a longer lifespan.
<b>Forbiddance</b>
The control panel is non explosion-proof Please keep it away from fire, flame sources.
Install the control panel away from objects such as heater, air conditioner, microwave oven etc. that produces heat or electric-magnetic.
<b>Forbiddance of Decomposition</b>
Take the control panel for disposal of recycling according to the local regulation.
Disassembly for this product can't be done by non-professionals.


## FAQ


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Phenomena	Cause of Malfunction	Troubleshoot Method
No response from control panel operation	Power switch is off	Open battery compartment turn on the power
	A/C Power failure	Contact local main power supply bureau
	Lithium battery backup power exhausted	Connect to main power with adapter
Accessories can not connect to control panel	Panel not in learning status	Make sure the panel set in learning status
	Accessories not triggered for learning	Make sure the triggered accessories transmitting signal to panel for learning
	When learning, 2 beeps are heard from panel	This means accessory has been coded already
No response from the control panel by operating remote control	Remote control is not learned to control panel	Follow the manual and connect the remote control to panel
	Out of range between remote control and panel	No more than 80 meters in open area (no interference)
		Signal repeater could be added
RFID card/tag fail to disarm	RFID car/tag not connected to the panel	Follow the work manual and code RFID card/ tag to the panel
Touch keyboard fail to make related setting	Not logged onto the setting menu.	Input the correct admin code, press <b>[Enter]</b> and log on menu setting

## Disarm

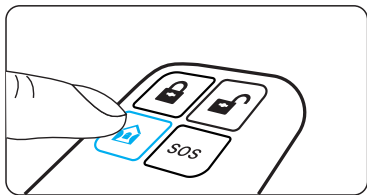



Press the [Disarm ] button on the remote control, the system enters Disarm state when two beeps are heard and the Arm LED Indicator goes out.

When alarm is activated, the siren will hoot. Press the [Disarm ] button, the system is disarmed after two beeps are heard, and the Disarm LED Indicator lights on. But the LED indicator of triggered zone keeps flashing for further checking.

Press [Disarm ] button again, the alarming zone indicator goes out.

## Home Mode






Press [Stay ] button on the remote control, the system enters Home Mode when one beep is heard and the Home Mode LED Indicator lights on. All the Normal Sensors are armed except the Home Mode Sensors which are disarmed so that users can move freely at home.

## Mute Mode

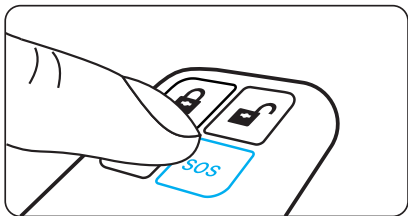


When arm or disarm the system, the control panel will beep once or twice. If siren beep is not needed, operation as follows:

Press and hold the **[Stay **] button on the remote control for 1 second, then press **[Arm **] or **[Disarm **] button within 3 seconds. The system is armed or disarmed in mute without disturbing other people.

## Emergency Call

SOS



In any condition, once the **[SOS]** button on the remote control is pressed, the system goes into emergent alarming state with siren hooting, meanwhile the panel will auto dial pre-stored alarm phone numbers.

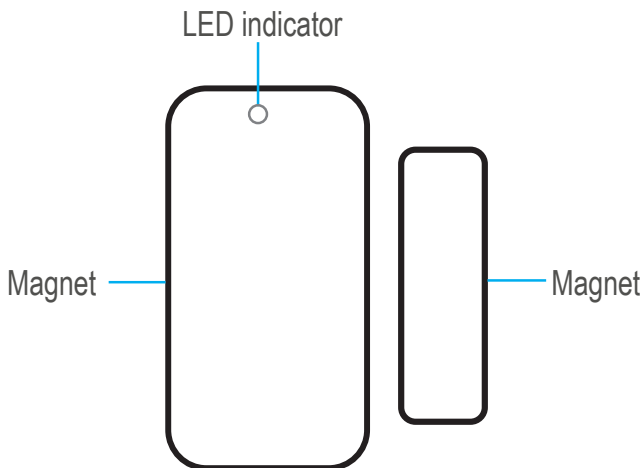
## Wireless Door/Window Contact

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### Features

The DWC-102 is a Door /Window Contact that can be installed on doors, windows, and any other objects that open and close. The sensor transmits signals to the control panel when a magnet mounted near the sensor is moved away. External input for wired accessory is available at the N/C interface. The tamper protection ensures that sabotage attempts to move the contact will result in an alarm activation.

### Appearance

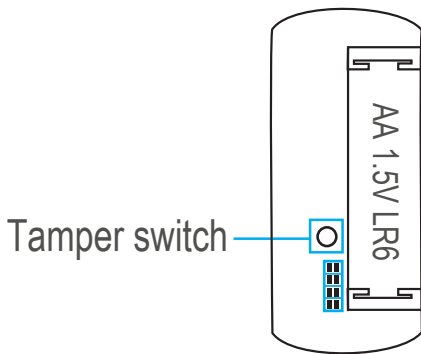


## LED Indication

**LED flashes once:** Door/window is opened and transmitter sends signal to the control panel.

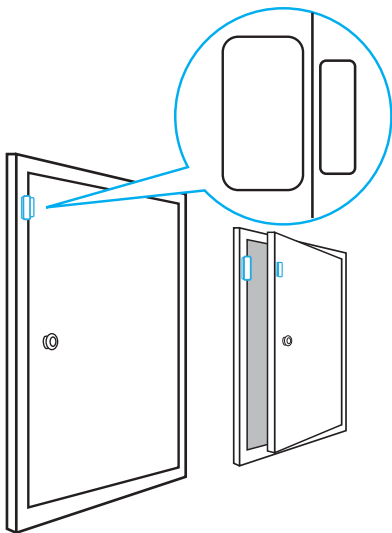
**Flash once per 3 seconds:** Low power indication, please change battery as soon as possible.

## PCB Layout



## Installation & Notice

- Remove the battery activation strip, the sensor will enter working state immediately.
- Mount the sensor on the door frame and the magnet on the door.
- Make sure the magnet is on the right side of the transmitter
- Place the transmitter in the desired location, mount the magnet no more Than1cm away from the transmitter and secure the transmitter and magnet with double-sided tapes or screws.
- Avoid mounting sensors in areas with a large quantity of metal Or electrical wiring, such as a furnace or utility room.



## Specifications

### Power supply

DC 1.5V {AA 1.5V LR6 Battery x 1 p c}

### Static current

< 35uA

### Alarm current

< 40mA

### Transmitting distance

<80m {in open area}

### Radio frequency

315 MHz or 433.92MHz ( $\pm$  75KHZ)

### Housing material

ABS plastic

### Operating Condition

Temperature -10°C ~ + 55°C

Relative humidity < 80% (non-condensing)

### Transmitter dimensions (L x W x H)

71x34 x17.5mm

### Magnet dimensions (L x W x H)

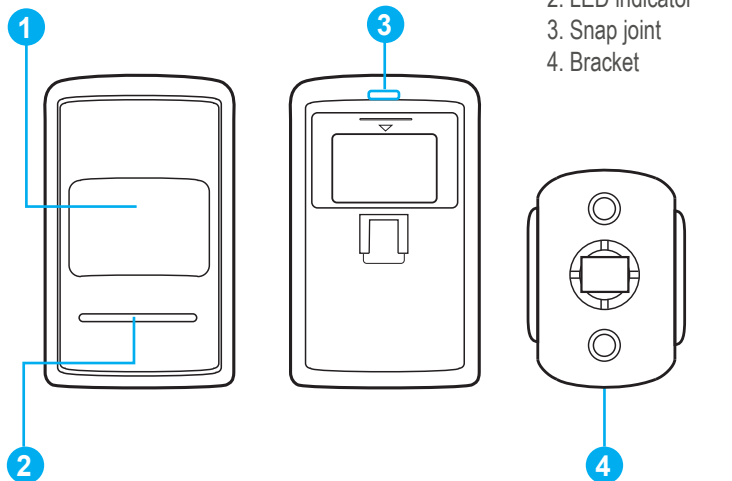
51 x 12 x 13.5mm

# Pet-Immune PIR Motion Detector

## Features

PIR-910 is a high performance wireless P.I.R motion detector. It consists of digital dual-core fuzzy logic infrared control chip and intelligent analysis Which effectively identify interference signal / rom body movement signals and reduce false alarm rate. With automatic temperature compensation and anti-air turbulence technology, it easily adapts to environmental changes. The detector also has the advantages of energy saving, reliability and easy installation. The detector features pet immunity for small animals up to 25kgs.

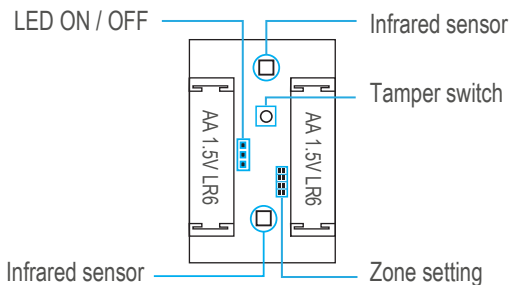
## Appearance



## LED Indication

Display	Meaning
Blink continuously	Self-testing
Blink once	Intrusion detected
Blink twice	Testing mode is finished, the detector enters power-saving mode
Blink once every 3 seconds	Low battery, please replace the battery as soon as possible

## PCB Layout



**Infrared sensor:** It detects the infrared rays released by human body motion, please don't touch the surface and always keep it clean.

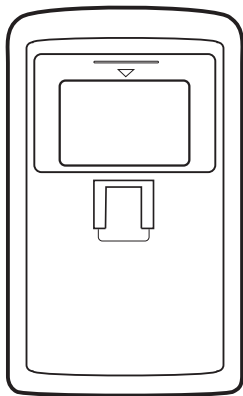
**Tamper switch:** Once the case is opened in working state, the tamper switch will be triggered and then generates an alarm signal.

## Working Mode

### Testing mode

After self-testing, the detector enters testing mode, and detects once every 10 seconds. After 3 minutes, the LED blinks twice, and the detector enters power saving mode.

Hold the test button and load the battery, then release the test button, the Detector stands in testing mode, it keeps detecting once every 10 seconds. Exits this status by reloading the battery without holding the test button.

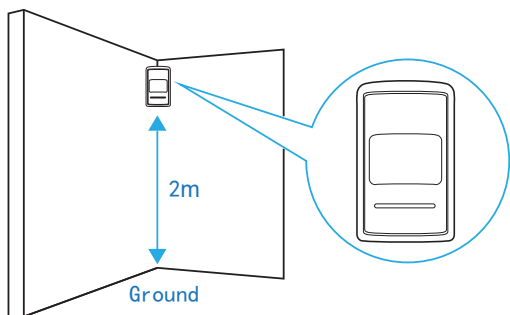




## Installation

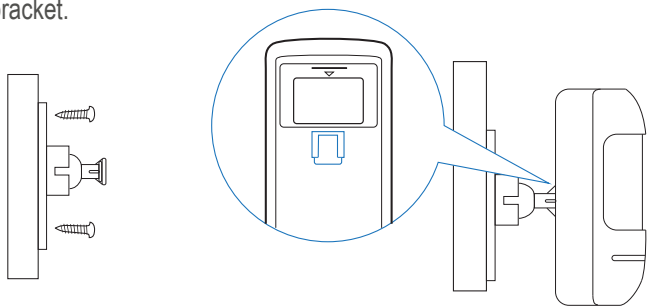
### Choose a suitable installation location

It is recommended to mount it at the height of 2m from the ground.



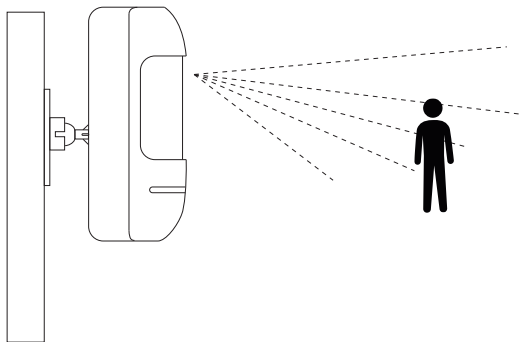
### Fix the detectot

Fix the bracket on the wall with screws and attach the detector to the bracket.



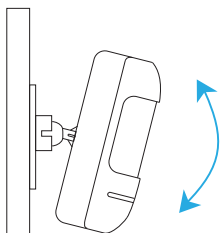
## Test the PIR motion detector

Press the test button at the back. It switches to the testing mode and sustains for 3 minutes. Walk in the detection scope and observe the LED. When body movement is detected, the LED blinks once

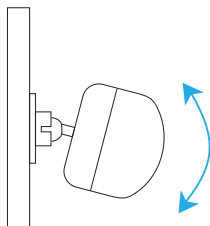


## Adjust the angle

Adjust the bracket angle to achieve the best detection effect



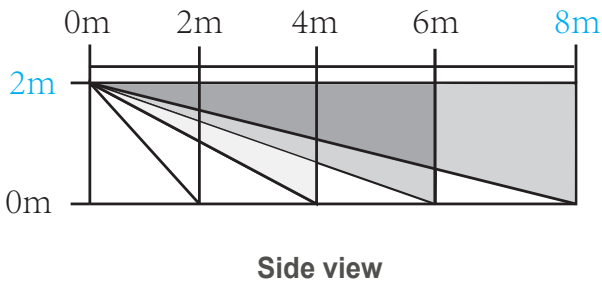
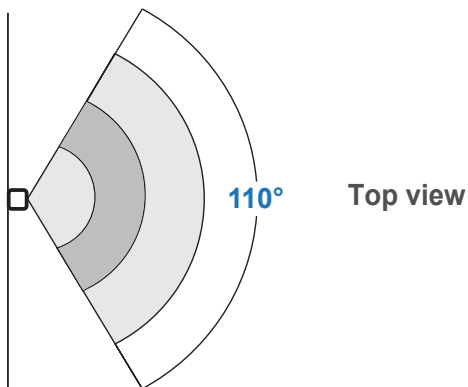
**Side view**



**Top view**

**Note:** If pet-immune function is applied, please do not adjust the angle up or down, but keep it parallel with the wall

## Detection Scope



## Specifications

### Power Supply

DC 3V (AA 1.2V LR6 Battery x 2 pcs)

### Static Current

<90uA

### Alarm Current

<9.5mA

### Detection Scope

8m/110°

### Pet Immunity

<25kg

### Transmitting Distance

<80m (in open area)

### Radio Frequency

315MHz or 433.92MHz ( $\pm 75$ KHZ)

### Housing Material

ABS plastic

### Operation Condition

Temperature: -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

# SMART

## Home Security Alarm System

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APP control for iOS and Android

