TELRAN COMMUNICATION (1986)LTD
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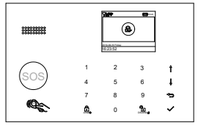
GSM+Wi-Fi

Intelligent wireless security alarm system

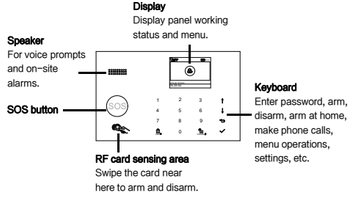
User Manual

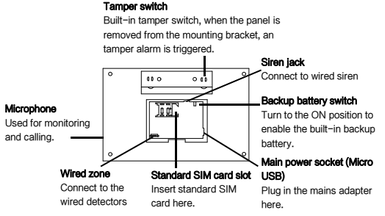
p.n.560967



| Product introduction

This alarm panel is a high-performance intelligent security product that uses GSM+Wi Fi dual communication network to transmit alarm information. It has a 2.4-inch TFT color display screen, menu operation, voice prompts, multiple language options, and advanced wireless connection to wireless sensors. Users can set up arm/disarm through keyboard, remote control, RF card, or app. When an illegal intrusion occurs, the panel will activate the on-site sound alarm, and notify the user by sending text messages and dialing the user's preset phone number.





Status bar at the top of the main interface

Icon	Description
	No SIM card or SIM card inserted incorrectly
	Show the cellular network signal strength, all gray means no signal
	Light on means the device is connected to Wi-Fi
	A dot displayed in the lower right corner indicates that the device has been connected to the cloud through a Wi-Fi network
	Sending text message
	Making a call
	The keyboard locked, and a countdown is displayed for 5 seconds before locking.
	Using mains power supply
	Using backup battery power supply, displays the current remaining power, red indicates low battery

Arming status icon on main interface

Icon	Description
	System armed
	System armed in Home mode
	System disarmed

Menu

Icon	Menu	Description
	System settings	/
	Delay Settings	/
	Exit Delay	Set the exit delay value. Unit: seconds; Range: 0~255. The default is 40 seconds.
	Entry Delay	Set the entry delay value. Unit: seconds; Range: 0~255. The default is 30 seconds.
	Siren Duration	Set the siren sound duration value during alarm. Unit: minutes; Range: 0~255. The default is 3 minutes.
	Switch	Function settings
	Arm Beep	Arming/disarming sound ON/OFF
	Siren	Siren ON/OFF
	Arm SMS	Arm SMS ON/OFF
	Keyboard Lock	keyboard lock ON/OFF
	Backlight	keyboard backlight ON/OFF
	keyboard Tone	keyboard tone ON/OFF
	Delay Tick	Delay tick tone ON/OFF
	Door/Window open warning	Warning notification ON/OFF
	Human Voice	Arming/Disarming voice ON/OFF
	Sensor voltage warning	Sensor low voltage warning ON/OFF
	Password	Password settings
	System Password	Set a four-digit system password; Used to unlock the keyboard. The default is 1234.
	User password	Set a four-digit user password; used for keyboard unlocking, APP account registration, and text message setting parameters. The default is 1234.
	Language	Language settings
	Chinese	/
	English	/
	Hebrew	/
	Arabic	/
	Initialization	Reset to factory settings
	Phone	Set an alarm phone number
	Telephone Alarm Number	Set up to 5 alarm phone numbers and ON/OFF
	SMS Alarm Number	Set up to 5 SMS phone numbers and ON/OFF
	Log	History
	Alarm log	Query alarm history records
	Arm log	Query arming and disarming history records
	Parts	Learn , delete or edit the accessories
	Remote	Learn or delete remote controls
	Detector	Learn, edit, delete detectors
	RFID	Learn, delete RF cards
	Add	Accessory learning
	Delete	Delete accessory
	Delete all	Delete all accessories
	Siren Learn	Send wireless code signal to external wireless Siren
	Alarm Socket	Not available for this model
	Socket on/off timer	Not available for this model
	Decoder	Read the serial number from the wireless accessories
	EOL Zone	Wired zone settings
	Intelligent pairing	Not available for this model
	Wi-Fi	WIFI settings
	Airlink configure	The panel enters the Wi-Fi network configuration state through intelligent configuration mode (requires the cooperation of mobile APP)
	Unbind	Disconnect the panel from the cloud
	MAC/IP	Not available for this model
	Soft Ap Configure	The panel enters the Wi-Fi network configuration state through the hotspot configuration mode (requires the cooperation of the mobile APP)
	Record	Not available for this model
	Timer	Time settings
	Arm Timer	Set daily arming time
	Disarm Timer	Set daily disarming time
	Time zone&Sync	Not available for this model
	Date&Time	Set the date and time displayed on the main interface
	Wi-Fi Sync	Set whether the time is synchronized with the mobile APP
	2G/4G Synchronize	Set whether the time is synchronized with the 2G/4G network
	Version	Check system version information

| Installation

Panel installation location

The panel should be installed as close to the entrance and exit as possible, away from metal objects or household appliances with high-frequency interference, and away from shielding objects such as reinforced concrete walls and fire doors. Make sure the network signal at the installation location is good.

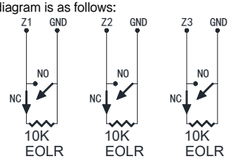
Wired zone wiring

There are 3 wired zones with tail resistors in the wiring connector on the back of the panel, which support open circuit and short circuit alarms, and the response time of the zone is 300 milliseconds. The zone uses a 10K end-of-line resistor. The maximum loop resistance of the zone plus the end-of-line resistance cannot exceed 11K ohms.

When the detector contact output is normally closed (NC), the end-of-line resistor is connected in series to each end of the contact at the end of the loop.

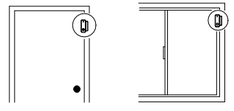
When the detector contact output is normally open (NO), the end-of-line resistor is connected in parallel to both ends of the contact at the end of the loop.

The wiring diagram is as follows:



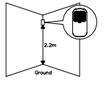
Notice: The end-of-line resistor must be connected at the end of the entire zone loop, otherwise the system may not respond when the zone is open.

Door and window sensor installation



Install on the door and window as shown in the picture above, aligning the center of the magnet and sensor. When the doors and windows are closed, the gap between the magnet and the sensor cannot exceed 20mm.

Human body motion sensor installation and setting

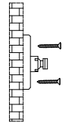


Installation height and location selection

Before use, turn the battery switch on the side of the sensor to the ON position. The installation height is about 2~2.2 meters above the ground. It should be installed in a corner indoors to obtain the maximum detection range. At the same time, the sensor detection beam should be at a certain angle to the route of people walking indoors (90 degrees to the direction of people walking has the best detection effect).

Installation Precautions

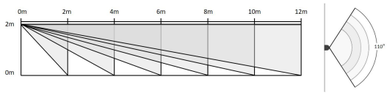
- Do not install the sensor outdoors, in a garage or on glass.
- It cannot be installed directly facing the sun, near a heat source or in a humid place. It should face the wall or floor, not windows and curtains.
- The sensor does not have the ability to sense the human body through glass.
- Try to avoid getting close to metal objects.



Installation

As shown in the picture on the left, secure the base to the wall with two screws. Insert the bracket into the fixing groove on the back of the sensor, then press the universal ball into the ball socket of the base to complete the installation and adjust the sensor to the optimal angle.

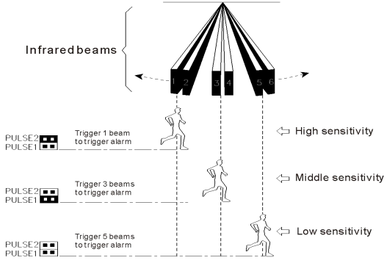
Detection range and top views



Jumpers

Set the pulse counter (PULSE2 and PULSE1 jumpers)

The number of alternate triggers required for each alarm trigger can be selected through jumper settings. Higher pulse counts reduce capture performance but reduce false alarms.



walking test

In order to save power during normal use, the jumper is in the NORMAL position as shown on the left, and the interval between each two alarm triggers is set to 3 minutes.

In order to conduct an effective walking test, the jumper is set in the TEST position as shown on the left, and the alarm can be triggered for each effective induction.

During the walking test, walk slowly through the coverage area of the detector and observe the indicator lights. The principle is to ensure that the detector has reliable triggering within the detection range (the LED indicator light is on as a sign). During the above test, the angle of the detector is adjusted according to the required protection area. For example: when the detector is vertical to the ground, the protection area is about 8 meters.

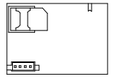
After passing the walking test, plug the mode jumper into normal mode (NORMAL) to save battery power.

If the light flashes every time it is triggered, the battery is low. Please replace the battery in time.

LED jumper

| First time use

Insert SIM card



Unlock the slot and insert a standard large SIM card into the SIM card slot in the direction shown in the picture (notch inward, chip contact surface downward). Lock the slot, if you hear a ticking sound, it means the insertion is correct.

When your panel is registered to the network normally, the status bar at the top of the main interface . It should be lighted on; otherwise, please confirm whether the SIM card is inserted normally, whether the SIM card can be used normally, and whether the mobile phone network signal in the panel installation environment is normal.

Set alarm phone numbers

Up to 5 alarm phone numbers can be set.When an alarm occurs, the panel dials these phone numbers.

- ► Select **"Menu → Phone → Telephone number"** to enter the alarm phone number setting interface.
- ► Press ↓ to select the number dialing priority number, and then enter and edit the phone number (up to 18 digits), press ↑ to backspace and press √ to confirm.
- ► Repeat the previous step to set multiple alarm phone numbers.
- ► Press ↓ to the last item, then press ↑ to turn on the feature.
- ► Press √ to save settings.

When an alarm occurs, the alarm panel will actively dial several preset phone numbers (the phone switch must be turned on). After the user answers, the panel will first play the current alarm type, and then give a voice prompt. "Press 1 to arm, press 2 to disarm, press 3 to monitor, and press 4 to talk." If the user finds that it is a false alarm, he can directly press 2 to disarm the system and terminate the alarm process. Users can also press 3 to turn off the scene siren to monitor the scene more clearly. If there is no need to monitor, just hang up the phone.

If the user does not answer or the dialing fails, the panel will dial all preset numbers in sequence for two rounds until the user answers.

Set alarm SMS numbers

Up to 5 alarm SMS numbers can be set.When an alarm occurs, the panel will send alarm text messages to these numbers.

- ► Select **"Menu→Phone→SMS alarm number"**Set the alarm SMS number. The setting method is the same as phone number settings.

Set exit delay

After the panel is armed, the delay time set to prevent the user from causing an alarm when leaving the site and passing through the armed area is also called the arming delay. After arming, the panel will start a "tick" countdown. Please leave the scene before the countdown ends. The exit delay value setting range is 0~255 seconds, and the factory default is 40 seconds.

- ► Select **"Menu→Settings→Delay→Exit delay"**.
- ► Enter the exit delay value (press ↑ to backspace).
- ► Press √ to save settings.

Set entry delay

After the user comes back and triggers the detector after passing through the armed area, the panel will not alarm immediately. It will provide a period of time for the user to disarm the panel. If the panel cannot be disarmed after the timeout, the panel will alarm, which is also called alarm delay. After triggering the entry delay, the panel starts a tick countdown. Please disarm the system before the countdown ends. The entry delay value setting range is 0~255 seconds, and the factory default is 30 seconds.

- ► Select **"Menu→Settings→Delay→Enter delay"**.
- ► Enter the entry delay value (press ↑ to backspace).
- ► Press √ to save settings.

Remote control self-learning

This panel can pair up to 10 remote controls.

- ► Select **"Menu→Parts→Remote→Add"**.
- ► Assign a unique number (0~9) to the remote control to be paired and confirm.
- ► The panel displays "Please trigger the accessory" and enters a 20-second countdown waiting for the remote control to be launched.
- ► Press any key on the remote control to transmit wireless signals to the panel.
- ► The panel displays "Learning Successfully" and the remote control is paired successfully.

"Menu→Parts→remote→Delete" : Select the remote control to be deleted and press √ to delete the remote control with the corresponding number.

"Menu→Parts→remote→Delete all" : The panel displays the total number of paired remote controls. Press √ to delete all remote controls.

RF Card self-learning

This panel can pair up to 10 RF cards.

- ► Select **"Menu→Parts→RF ID→Add"**.
- ► Assign a unique number (0~9) to the RF card to be paired and confirm.
- ► The panel displays "Please trigger accessories" and enters a 20-second countdown waiting for the RF card to be swiped.
- ► Place the RF card close to the card swipe sensing area on the panel.
- ► The panel displays "Learning Successfully" and the RF card is paired successfully.

"Menu→Parts→RF ID→delete" : Select the RF card to be deleted and press √ to delete the RF card with the corresponding number.

"Menu→Parts→RF ID→Delete all" : The panel displays the total number of paired RF cards. Press √ to delete all RF cards.

Wireless detector self-learning

This panel can pair up to 100 wireless detectors.

- ► Select **"Menu→Parts→Detector→Add"**.
- ► Press ↓ to choose , press ↑ to select the device name of the detector to be paired.
- ► Press ↓ to choose , press ↑ to select the zone type of the detector to be paired.
- ► Press ↓ to select and enter a unique number (0~99) for the detector to be paired, press ↑ to backspace.
- ► Press √ to confirm. The panel will display "Please trigger accessories" and enter a 20-second countdown to wait for the wireless detector to launch.
- ► Press the learning button on the accessory or trigger the accessory to transmit a wireless signal to the panel.
- ► The panel displays "Learning Successfully" and the detector is paired successfully.

Zone type description:

Out Arm Active(without delay): Normal arming mode, no entry delay, alarm immediately after triggering, it is recommended that some peripheral sensors other than entrances and exits use this mode.

24 Hours Active: If the detector is triggered at any time, an alarm will sound. It is recommended to use this mode for emergency, smoke, gas, carbon monoxide, water leakage, etc. detectors.

Out Arm Active: After triggering, a delay will be entered. If the alarm is not disarmed before the delay ends, the alarm will be triggered. It is recommended that the door sensors at the main entrance and exit use this mode.

Stay Arm Active(without delay): It is invalid when home arming. It is recommended to use this mode for internal infrared detectors.

24 Hours Silent: Same as 24 hours, but silent when triggered.

Stay Arm Active: Home arming with delay.

Close: turn off the zone.

"Menu→Parts→detector→edit": press ↓ to select the detector to be edited/delete and press ↑ you can enter the window to set the device name and zone type of the corresponding numbered detector; press √ to delete the corresponding numbered detector.

"Menu→Parts→detector→Delete all" : The panel displays the total number of paired detectors. Press √ to delete all detectors.

Wireless siren self-learning

- ► Press and hold the setting button of the wireless siren and release it immediately after hearing two beeps. The siren indicator light flashes quickly to indicate that it has entered the code matching state.
- ► Select **"Menu→Parts→Siren learn"** , sending wireless signals to the siren.
- ► The siren emits a long beep to indicate successful code matching.

| Mobile APP

Search "Smart Life" in APP Store/Google Play or scan the QR code below to download the mobile application APP.

User login

Open the Smart Life app and log in using an existing account or a new account.

Access to WIFI

- ► Enable WiFi and Bluetooth on the phone, connect to WiFi.
- ► Panel :**"Menu→WIFI→Airlink Configure→√"**
- ► Click on "Add Device" on the app to start automatic search.
- ► Click on the device found, enter the WiFi name and password, and click on "Connect"
- ► After successful connection, the panel will automatically exit configuration mode

|Common operation

ARM/

Normal arming

Press once to arm the system, this mode is suitable for when no one is at home, any detector triggering will trigger an alarm. Please leave the site before the exit delay expires.

ARM/

Arm at home (press twice)

Press twice to arm the system, this mode is suitable for when someone is at home, the ordinary zone detectors work normally, but the home zone detectors do not work.

DISARM/ #

Disarm

Press once to disarm the system, and only the 24-hour zone detectors work under the disarm status.

Arm and disarm with the accessories

RF card

In disarming mode, swipe the card to arm when you go out.
In arming mode, swipe the card to disarm.

Remote control

Press the button for normally arming.

Press the button for home arming.

Press the button for disarm.

Press the button SOS for emergency help.

Panel keyboard

If the Keyboard is locked, enter the user password to unlock the Keyboard.
(Default user password is 1234)

Press the button for normally arming.

Press the button for home arming.

Press the button for disarming.

Mobile APP

Press the icon for normally arming.

Press the icon for home arming.

Press the icon for disarming.

Press the icon for emergency help.

Phone function

Make a call: +phone number+√.

In any of the following states, the call operation will be prohibited:
- Mobile network abnormality.
- Armed state.
- Call alarm.

| Other features of the panel

Backup battery

Under backup battery power supply, the maximum sustainable working time of the panel is 2 hours. When the remaining power supply time is less than half an hour, a text message "Backup battery is low!" will be pushed to the user. It takes 8~12 hours to fully charge the backup battery.

Mains power failure/restoration

After the main power supply fails, a "Main Power Supply Failure!" text message is pushed to the user.
After the main power supply returns to normal, a "Main Power Supply Restored!" text message will be pushed to the user.

Tamper alarm

After the panel wall-mounted bracket is separated from the panel, the on-site alarm sounds and the "Tamper alarm!" text message is pushed to the user.

| Restore to factory settings

Select **"Menu→Settings→Initialization"** , after the panel restarts, it means the initialization is successful. After initialization, all the parameters that have been set will be restored to the factory state, and all paired remote controls, wireless detectors, and RF cards will be cleared.
This function should be used with caution. It is generally used after the user has forgotten the operation password, the panel is working abnormally, the panel parameters are set disorderly, or unknown wireless detectors, remote controls, and RF cards are paired.

| Technical specifications

Panel
Power supply: Micro USB 5V/1000mA
Backup battery: 3.7V/500mAh lithium battery
Power consumption: <55mA@standby
Wireless frequency: 433Mhz
GSM: 850/900/1800/1900MHz
Working temperature: 0~55℃

Human motion sensor
Power supply: 1.5V AA three cells
Power consumption: <15uA@standby
Detection angle: <12m/110°
Wireless frequency: 433Mhz
Transmit power: 10dBm
Working temperature: 0~55℃

Door and window sensor
Power supply: CR2032 button battery
Power consumption: <1uA@standby
Sensing distance: ≤20mm
Wireless frequency: 433Mhz
Transmit power: 10dBm
Working temperature: 0~55℃

Remote control
Power supply: CR2025 button battery
Power consumption: <1uA@standby
Wireless frequency: 433Mhz
Transmit power: 10dBm
Working temperature: 0~55℃

Siren
Connection: 3.5mm jack
Sound pressure: 100dB@1m
Working temperature: 0~55℃

RF card
Chip: 4100/4200
Wireless frequency: 125KHz
Card reading distance: ≤2cm

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