WIFI +GSM/4G

Intelligent Double Network Alarm System

Instruction Manuals

W100 Series

W200 Series

Model Specification

Model	Keyboard	Display	Wired Defense Zone	Mobile App	WIFI
W100	---	LED Light Indicator	√	√	√
W200	√	LCD Monitor	√	√	√
W210	√	LED Digital Color Monitor	√	√	√

Performance Features

◆ Providing color digital monitor and digital LCD monitor version, with clear display of host status.

◆ Supporting the setting of cell phone APP and host keyboard, with an easy operation of APP, and without the complicated instruction of query. It can be accessed quickly for use.

◆ With double network alarm Wi-Fi+GSM/4G, it supports APP push, SMS, voice monitoring and other multi-channel alarm modes for reliable and stable alarm performance.

◆ Supporting up to 50 remote controls and 100 wireless detectors in storage locations.

◆ Supporting doorbell and greeting device functions, expanding the applications in stores, offices and other settings.

◆ Name and number of gate, hall, bedroom, window, balcony, etc. can be set on all fittings.

◆ The categories of body sensor, door magnet, smoke sensor, gas, water immersion, doorbell and greeting device can be set on all fittings.

◆ Supporting Power outage alarm and other multiple extended alarms.

◆ Four wired defense zones, supporting multiple wired detectors.

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◆ Supporting Power outage alarm and other multiple extended alarms.

◆ Four wired defense zones, supporting multiple wired detectors.

- Storing and querying a number of daily operation records and alarm records.
- Automatically calibrate time by GSM/WiFi network which ensures the clock is accurate all the time.
- Dialing function, supporting 5 groups of redial numbers.
- SMS sending function, support 5 groups of SMS numbers.
- Supporting user deployment, dismissing and host alarm pushing to APP.
- Fixed time deployment and dismissing function.

Functional Interpretation

- Out of home deployment

  Host enters alert state when user is out of home, and when detectors are triggered, host will alarm at once.

- At-home deployment

  Host reacts only to the entrance/exit or peripheral detectors when the user is at home.

- Dismissing

  Host suspends the ongoing alarm, and after dismissing the defense, the host will not alarm when the ordinary defense zone is triggered (except for emergency warning).

- Time delay for deployment

  After host deployment, the time delay is established to prevent false alarms caused by users leaving the site and passing through the armed area.

- Time delay for alarm

  The host will not alarm instantly after the user comes back and passes through the arming area to trigger the detector, which provides some time for the user to withdraw the defense of host, and the host will only alarm when the time is overdue and cannot be withdrawn.

- Alarm

  Once the host produces an alarm task, the site gives an audible and visual alarm, sending an SMS alarm to the preset cell phone, dialing the preset user phone and pushing the alarm content to the cell phone APP.

Host Networking

Application Download

- Smartphone with Android System: Download "TuyaSmart " from the Applications.
- Smartphone with IOS System: Download "TuyaSmart " from the AppStore.

Hosted Distribution Network

Entering "8*" command on the keyboard, the "WIFI icon" of the host will flash speedily and the host will enter the EZ networking state. Once the network is successfully connected, the host's "WIFI icon" is constantly illuminated.

In EZ distribution network state, enter the "9*" command on the keyboard again. The "WIFI icon" of the host flashes slowly, and the host enters the state of API network allocation. After successful networking, the host's "WiFi icon" is always on.

The host is connected to the mobile APP through WiFi
Two methods are available to bind the alarm to the APP, one is the intelligent WIFI mode, the other is the AP mode.
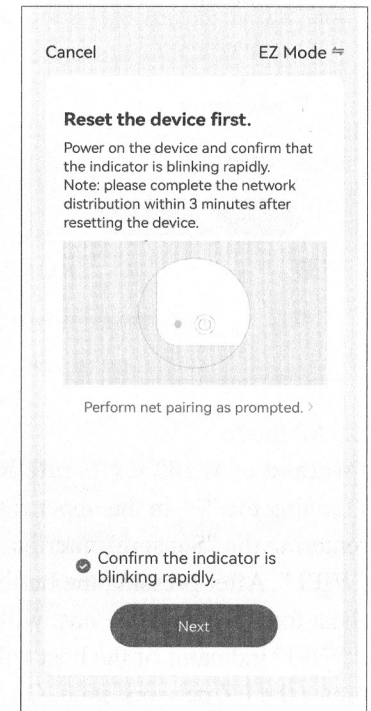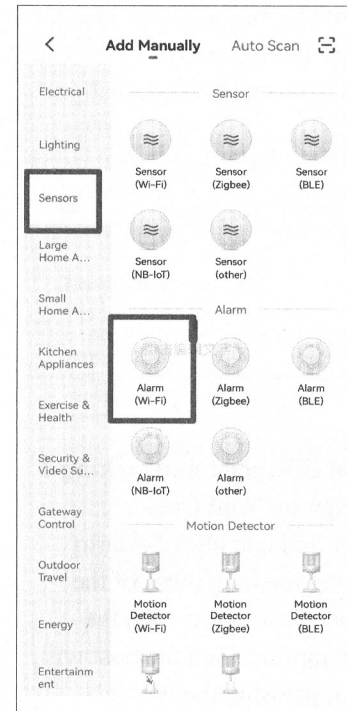1、 intelligent WIFI mode (open cell phone Bluetooth can automatically identify the device networking)
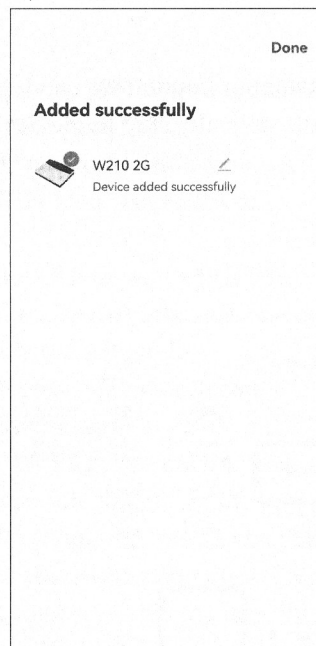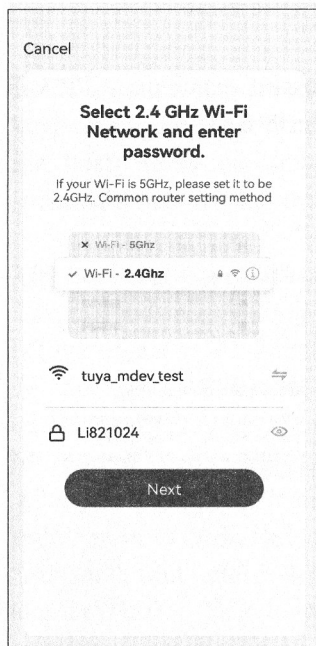**Method of W100 series intelligent WIFI mode networking：**
After you login to the main interface, click on " + " in the upper right corner to "Add Device". After entering the interface, click " sensor ", find " alarm WIFI " in the security sensor, click the alarm (WIFI).   Then long press the button behind the host for 5 seconds, the host indicates " start network ", and the host " WIFI " indicator flashes speedily. The host enters the state of EZ network matching.   Tapping "Confirm Indicator is flashing" on APP, entering the WIFI name and password and then tapping "Confirm", APP will enter the countdown for matching, after successful matching, APP will automatically skip to the interface of device list.

Method of W200 series intelligent WIFI mode networking：
After logging in to the main interface, click the top right corner + to "Add Device". Then you can enter the "Sensing" interface, to find and click "Alarm WIFI". After that, entering "8*" command on the keyboard, the "WIFI icon" of the host will flash rapidly, and the host will enter the EZ network state. After clicking "confirm indicator is flashing" on APP, you can type in the WIFI name and password and click "confirm", APP will enter the

matching countdown, and after successful matching, APP will automatically skip to the device list interface.
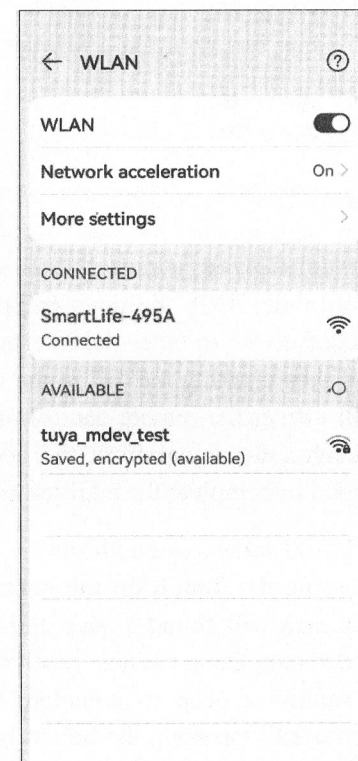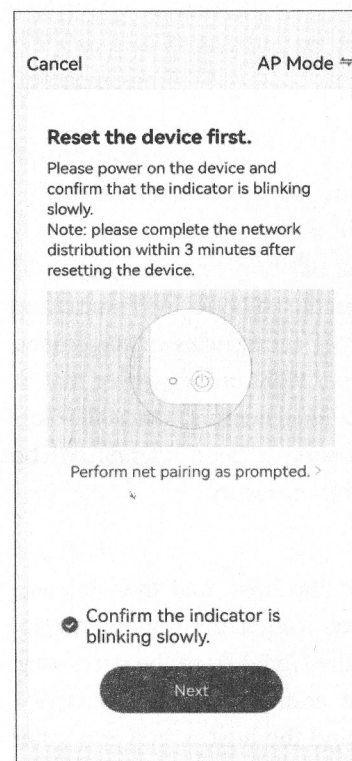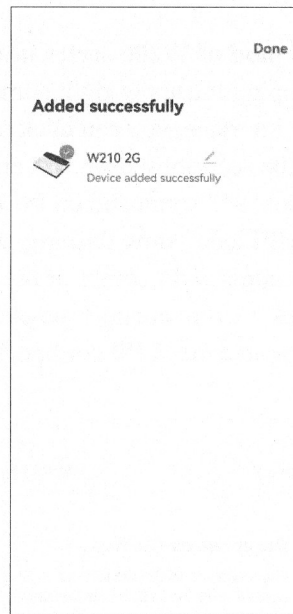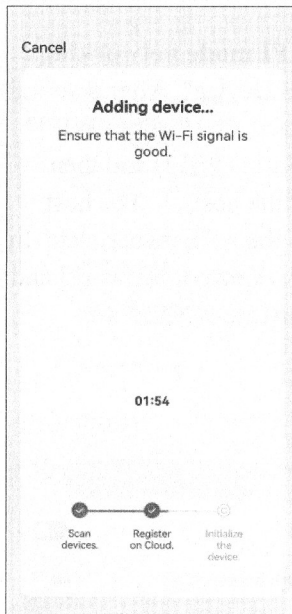
Select 2.4 GHz Wi-Fi Network and enter password.

If your Wi-Fi is 5GHz, please set it to be 2.4GHz. Common router setting method

✕ Wi-Fi - 5Ghz

✓ Wi-Fi - **2.4Ghz**

Cancel

🛜 tuya_mdev_test

🔒 Li821024

Next

Done

Added successfully

W210 2G
Device added successfully

2. AP mode

Method of W100 series intelligent WIFI mode networking：

Tapping the "+" in the upper right corner to "Add Device", entering the "Sensing" interface, "then find and click " Alarm WIFI ". After pressing the button behind the long press of the host for 5 seconds, the host will indicate "start network", the "WIFI" indicator of the host will flash rapidly, then the host will enter the EZ network state. Once again pressing the button behind the long press of the host for 5 seconds, the host will indicate "start network allocation". The "WIFI icon" of the host flashes slowly, and the host enters the API network allocation state. In the top right corner of the phone, click [Hotspot Network] and click Next to connect the phone to "SmartLife-XXXX" to complete the WIFI configuration.

Method of W200 series intelligent WIFI mode networking：

Tapping the upper right corner + to "Add Device". After entering the interface, you can click on "Sensor" and find "Alarm WIFI" in the security sensor, and click on the alarm (WIFI) and then input "9*" command on the keyboard of the host.。 The host "WIFI icon" slow flashing, which enters the AP network state. In the upper right corner of the phone, click [Hotspot Network] and click Next to connect the phone to "SmartLife-XXXX" to complete the WIFI configuration.

Cancel   AP Mode

Reset the device first.

Please power on the device and confirm that the indicator is blinking slowly.
Note: please complete the network distribution within 3 minutes after resetting the device.

Perform net pairing as prompted. ›

● Confirm the indicator is blinking slowly.

Next

← WLAN   ⑦

WLAN   ⬤

Network acceleration   On ›

More settings   ›

CONNECTED

SmartLife-495A
Connected

AVAILABLE

tuya_mdev_test
Saved, encrypted (available)

Adding device...

Ensure that the Wi-Fi signal is good.

01:54

Scan devices.   Register on Cloud.   Initialize the device

Added successfully

W210 2G
Device added successfully

Append accessories

1. Mobile APP addition: entering the mobile APP, clicking "accessories" to enter the interface of accessories management, and then clicking the "+" in the upper right corner. After that, it will trigger the remote control or other detectors. Once the host receives the signal from the accessory, a beep sound will be issued to complete the addition of the accessory.

2. W100 series Host addition：

Pressing the button on the back of the host, and then release. The host will sound a beep and then trigger the remote control or detector. Once the host receives the signal from the accessory, it sounds a beep to complete the addition of the accessory. Repeatedly pressing the button behind the host, it can add other accessories again. The host will automatically identify the remote control and detector. After adding, a mobile app can also be used to set the category, attributes and name of each detector.
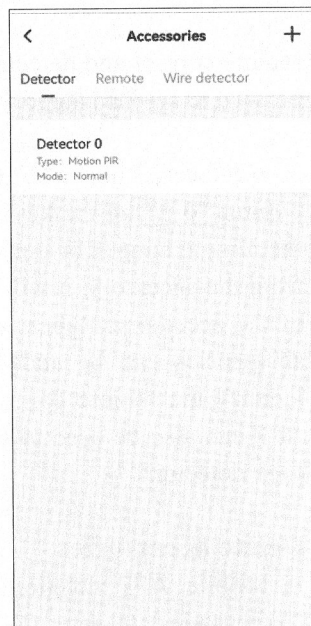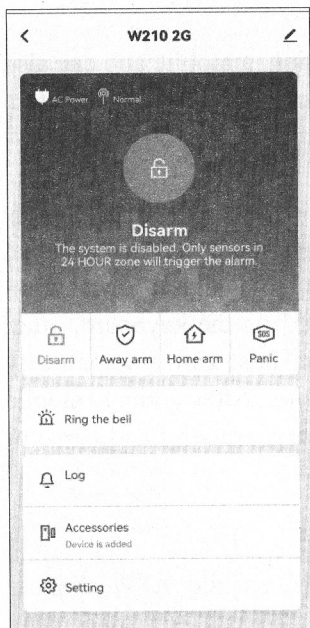
3. W200 series host addition：

Typing **"0 *"** on the keyboard, the host beeps and then triggers the remote control or detector. Once the host receives the signal from the accessory, it will sound a beep to complete the addition of the accessory. Repeatedly input "0*" on the keyboard, other accessories can be added again. The host can automatically identify the remote control and detector. After adding, mobile APP can also be used to set the category, property and name of each detector.

Delete accessories

1. Mobile APP deletion: entering the mobile APP, clicking "Accessories" to enter the interface of accessories management. After that, you can find the accessory you want to delete, drag the accessory left and click "Delete icon" to remove the accessory.

2. W200 series keyboard delete all accessories: all the accessories will be deleted by entering "3*" on the keyboard.

Host command table :

◆ **W200 series distribution network and sub-device management commands**

Command	Format	Command Description
0	0*	Inputting "0*" on the keyboard, the host will enter learning mode. And then, it will trigger the detector or press the remote control to increase the accessories.
3	3*	By inputting "3*" on the keyboard, the host will delete all the accessories which contain remote control and detector.
8	8*	Host will enter the state of EZ distribution network.
9	9*	Host will enter the state of API distribution network.

◆ W200 series function setting commands

Command	Setting Function	Command Format and Range	Default settings
00	Dialing the phone	00（Phone number）#	None
15	Keypad password switch	15 （0/1)#	0(Close)
16	Settings for power detection sending SMS	16 （0/1)#	0(Close)
17	Settings for power detection alarm	17 （0/1)#	0(Close)
27	Automatic shutdown of display screen	27 （0/1)#	1(Open)
28	Remote deployment and dismissal alarm sound setting	28 （0/1)#	0(Close)
30	Changing the keyboard password	30(New six-digit password)#	Default Password：123456
31	Time setting	31Four-digit time)#	None
32	APP push switch	32 （0/1）#	1（Open）
33	Missed call redial times	33 （1-9）#	3 times
34	Setting of alarm sound	34 （0/1）#	1(Open)
35	Countdown audible indicator	35 （0/1）#	0(Close)
36	Setting of alarm duration	36 (1-59minutes）#	1minute
39	Language selection	39 （0-7）#	1（Chinese）
50	Telephone dialing function switch	50 （0/1)#	1(Open)
51	Setting alarm phone 1	51（Phone number）#	Empty
52	Setting alarm phone 2	52（Phone number）#	Empty
53	Setting alarm phone 3	53（Phone number）#	Empty

54	Setting alarm phone 4	54（Phone number）#	Empty
55	Setting alarm phone 5	55（Phone number）#	Empty
60	sending alarm SMS function switch	60（0/1)#	1(Open）
61	Setting SMS number 1	61（Phone number）#	Empty
62	Setting SMS number 2	62（Phone number）#	Empty
63	Setting SMS number 3	63（Phone number）#	Empty
64	Setting SMS number 4	64（Phone number）#	Empty
65	Setting SMS number 5	65（Phone number）#	Empty
70	Time delay setting for deployment	70（0 - 99s）#	0
71	Time delay setting for alarm	71（0 - 99s）#	0
99	Default setting recovery	99（six-digit password)#	None

Alarm and remote supervision

Host is able to support several types of alarms. If an alarm occurs, an alarm SMS with detector name and number will be dispatched to the user's cell phone, and the alarm information will be pushed to the cell phone APP, while the user's phone will be called, and the user will be able to listen to the scene and remote control after being connected.
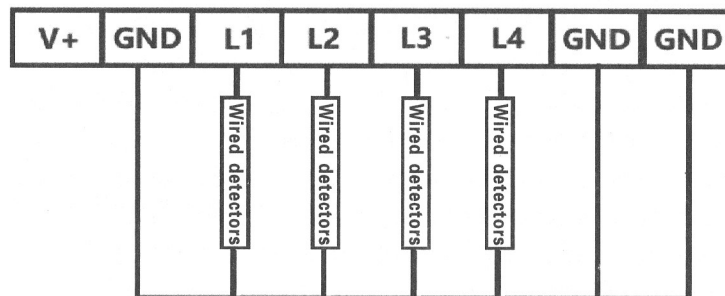
The following alarm categories are also available for the host

☑Main power malfunction: This alarm will be triggered when the main power supply fails.

☑Main power restoration: This alarm will be triggered when the main power supply is recovered.
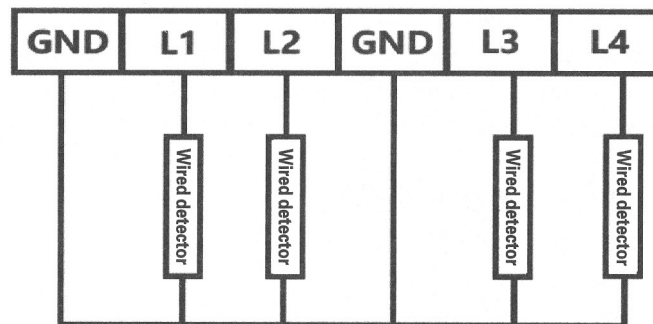
Wired Defense Zone

.W100 Series

Note： v+ provides a single power output, which can output 9V DC power to provide wired accessories when an external power supply is applied. Please refrain from supplying power to high power loads.

.W200 Series

Security alarm by SMS

Host can send alarm SMS to the preset groups of numbers when an alarm happens (the function switch of sending alarm SMS must be enabled).

Host alarm automatically dial preset phone

In the event of an alarm, the alarm host will take the initiative to call the preset groups of phones (phone dialing function switch must be enabled), when the user answers, the host first plays the current type of alarm, and then the recording if there is a preset recording, and then voice message "Press 1 to deploy, press 2 to dismiss, press 3 to supervise, press 4 to communicate". When the user finds a false alarm, he can directly press 2 to dismiss the system and end the process of alarm. Also, the user can press 3 to turn off the on-site alarm to supervise the site more explicitly. If supervision is not required, you can hang up the phone by direct.

If the user did not answer the phone or the dialing failed, it will repeat dialing the preset number based on the preset times until the user answers.

Remote calling of host by pre-set telephone

Once the host has preset groups of phone numbers to proactively call the alarm, it will automatically be connected, and will be able to supervise the site or control the host as soon as the phone is connected.

W100 Technical Parameters

◆Voltage input：DC9V
◆Operating current：<200mA
◆Standby current：<80mA
◆Alarm output：<500mA

◆Wireless frequency：315/433/868/915Mhz
◆Wireless code：eV1527
◆GSM modulation(2G)：850/900/1800/1900MHz
◆GSM modulation(Europe/4G)：900/1800MHz/LTE-FDD
◆GSM modulation(Australia/4G)：
850/900/1800/1900MHz/LTE-FDD
◆WIFI modulation：IEEE802.11b/g/n WIFI
◆Standard spare battery：3.7V/500mAh lithium battery
◆Working temperature：-10~55℃
◆Relative humidity：<80% (without condensation)

W200 Technical Parameters

◆Voltage input：DC5V (Powered by micro USB standard interface)
◆Operating current：<200mA ,
◆Standby current：<80mA
◆Alarm output：<500mA
◆Wireless frequency：315/433/868/915Mhz
◆Wireless code：eV1527
◆GSM modulation(2G)：850/900/1800/1900MHz
◆GSM modulation(Europe/4G)：900/1800MHz/LTE-FDD
◆GSM modulation(Australia/4G)：
850/900/1800/1900MHz/LTE-FDD
◆WIFI modulation：IEEE802.11b/g/n WIFI
◆Standard spare battery：3.7V/500mAh lithium battery
◆Working temperature：-10~55℃
◆Relative humidity：<80% (without condensation)

List of packages

W100 Series

One set of host computer with built-in spare battery.

A standard 9V/1A power supply.

All other accessories are available upon customer request.

W200 Series

One set of host computer with built-in spare battery.

Standard micro USB 5V/1A power supply.

All other accessories are available upon customer request.