AW-FP032 FIRE ALARM CONTROL PANEL

Installation and Operation Manual

CE

Version: 1.4
Date: April 23, 2025

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Version description

Version	Description	Date
V1.0	First established.	October 26, 2022
V1.1	Manual update	January 18, 2023
V1.2	Manual update	May 5, 2023
V1.3	Manual update	May 10, 2024
V1.4	Add function of Time settings , WIFI settings,Cloud configuration, Device configuration function options, USB import, History settings, panel info settings, Restore factory settings. Change the settings page to the menu page. Add IOT indicator and button. Change viewing screen size “0.96 inch” to “3.2-inch LCD” Add “Display programming status” to “write info.to device”	April 23, 2025

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Content

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1 Product Overview & Technical Parameters

1.1 Product Overview

The AW-FP032 FIRE ALARM CONTROL PANEL is a miniature fire alarm system that receives wireless devices. It is designed with LED display with button operation, and features simple human-machine interface and easy operation. Its wireless module ,with long-distance, anti-interference and strong stability, can receive information from each wireless fire alarm equipment. It is equipped with dual power supply of main power and lithium batteries as backup power. Under normal circumstance, the panel is primarily powered by the main power. However, when main power fails, it will automatically switches to the lithium battery for keeping power supply. A panel can receive up to 99wireless fire protection device messages and can remotely send alarm messages to the user's mobile phone through SIM. Multiple non-interfering panels can be installed in the same location to receive wireless firefighting equipment.

1.2 Product Features

- A wireless module with long-distance, anti-interference and strong stability, can receive information from each wireless firefighting equipment.
- Equipped with dual power supply of mains and lithium batteries. If main power fail to supply power, it will switch to lithium battery for keeping power supply.
- A panel can receive up to 99 wireless fire protection device messages and can remotely send alarm messages to the user's mobile phone through SIM.
- Multiple non-interfering panels can be installed in the same location to receive wireless firefighting equipment.
- Larger alarm sound and brighter flashing lights.
- The panel can upload data to the cloud, and the cloud can perform operations such as resetting, evacuation, muting etc. on the panel
- The maximum number of fire alarm history and fault history records is 992 , and maximum number of operation history records is 449.

1.3 Technical Parameters

Model	AW-FP032
Rated input voltage	100V-240VAC，50Hz/60Hz
Standby battery capacity	2000mAh@3.7V/lithium battery
Working environment	Relative humidity (<95%) at -20 ~50℃, no condensation)
Number of connected devices	99 PCS
Viewing screen	3.2inch-LCD
Alarm Horn	≥100dB@1m
The number of mobile phones that can be sent to text	10 (optional ASENWARE GSM module)
Flashing frequency	1Hz
Wireless Working Frequency	433MHz （418MHz-448MHz）
Weight	About 1Kg
Size	240mm*160mm*51mm

2 Product Appearance and Front Panel Description

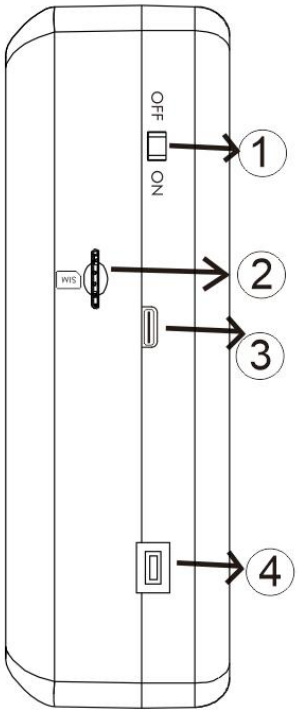
2.1 Indicator Light Description

Indicator name	Color	Description
Fire	Red	When the panel receives a fire alarm or presses the emergency evacuation button, the LED will light up.
Mains Fault	Yellow	When there is a mains fault, the LED lights up.
Battery Fault	Yellow	When there is a battery fault, the LED lights up.
Device Fault	Yellow	When the panel is not communicating with the wireless device or the wireless device has low battery, the indicator light will turn on.
Power	Green	When the front panel is working, the LED lights up.
SOS	Red	When pressing the SOS button, this indicator light will light up.
IOT	Yellow	After pressing the IOT button, the indicator will will light up for 1 second when the cloud returns test data.
Silence	Yellow	When pressing the SILENCE button, this indicator light will light up.
Reset	Green	When pressing the RESET button, this indicator light will light up

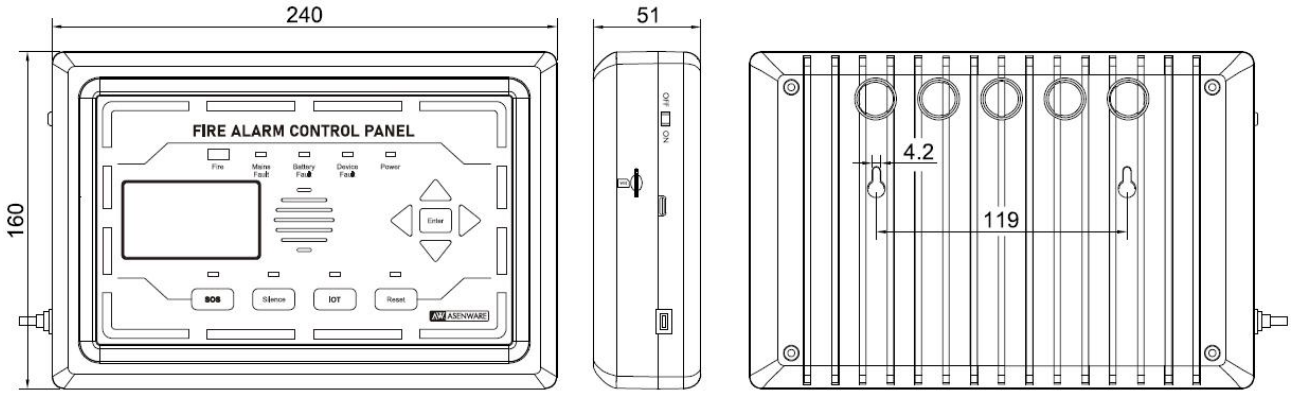
2.2 Button Description

Button	Description
SOS	Press the SOS button to link the sound and flashing lights of this device.
IOT	Pressing this button sends test data to the cloud.
SILENCE	Press the SILENCE button to remotely cancel the sound of the wireless device and cancel the sound of the local device.
RESET	Press the RESET button to reset the local and wireless devices.
Enter	Confirm the entry page or number increase key
Direction key	The cursor is left and left

2.3 Description of the Switch and Interface on the Left Side of the Panel

	①	Panel battery switch
	②	Insert SIM card
	③	USB Type-C
	④	Connected to mains power

2.4 Panel Side View, Front View and Mounting Diagram



Front view **Side view** **Mounting diagram**

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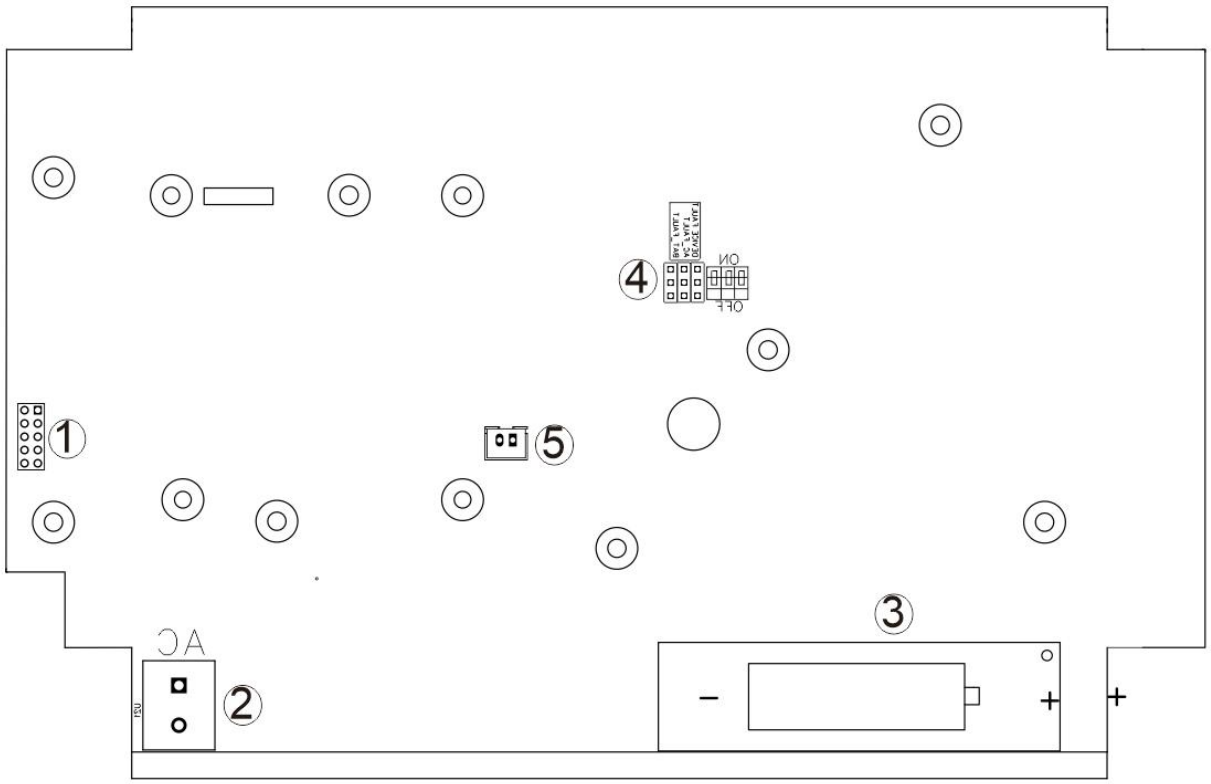
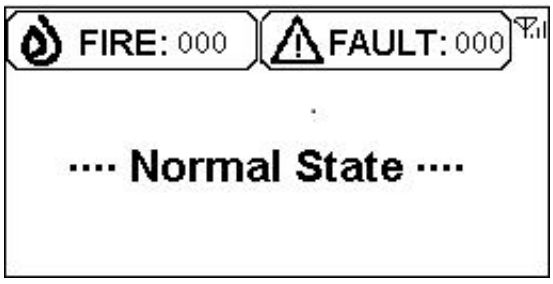
3 Function and Setting Instructions



① Connect SIM card PCB board or WIFI PCB board ② Connected to mains power ③ lithium battery （Please pay attention to the direction of the lithium battery during installation） ④ Fault shielding switch （On represents unshielded faults, off represents shielded faults.）⑤ Connect the panel buzzer

3.1 Function Description

Viewing screen : When the panel is turned on, the mains power and the battery are opened, the main page of the panel is shown in normal state, and the signal strength of the GSM antenna is shown in figure 1.



The normal state interface of the Panel is shown Figure1

Fault: When any malfunction occurs in the panel, the panel buzzer will sound every 5 seconds, and the silence button can be pressed to cancel the fault sound. Please check the corresponding indicator light for the fault reported by the panel.

Fire: If the panel receives a wireless fire alarm or presses the SOS button, the panel 's linked sound and light will flash. The panel screen displays the alarm device address as shown in figure 2

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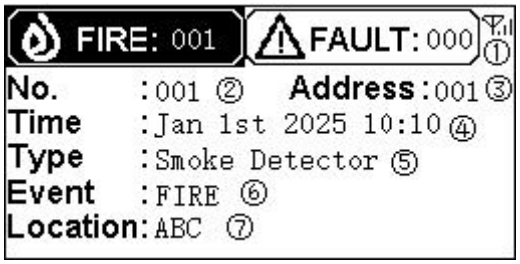

Figure 2

①Upper left corner indicates the total number of fire alarms, Upper right corner indicates the total number of fault alarms

②The serial number after "No." indicates the current fire alarm/fault information

③The serial number of "Address" indicates the address of the alarm device

④"Time" indicates the time when the fire alarm or fault occurred

⑤"Type" indicates detector type activated by fire alarm or fault

⑥"Event" indicates the current alarm event

⑦"Location" indicates the actual location of the current alarm device

The switch between fire alarm and fault is realized by the left and right keys of the keyboard

The switch of fire alarm/fault alarm information is realized by the up and down keys of the keyboard

4 menu Description

Press the panel button to enter the Menu page shown in the figure 3.

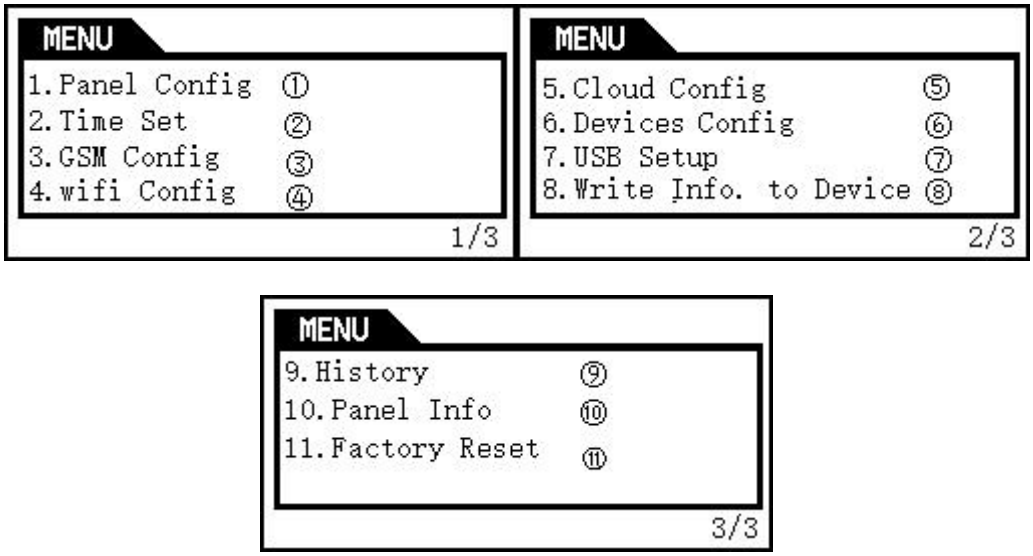

figure 3

① Panel configuration function options
② Time settings
③ The configuration function options for GSM
④ WIFI Settings
⑤ Cloud configuration
⑥ Device configuration function options
⑦ USB Import
⑧ Configure the function options for the wireless device

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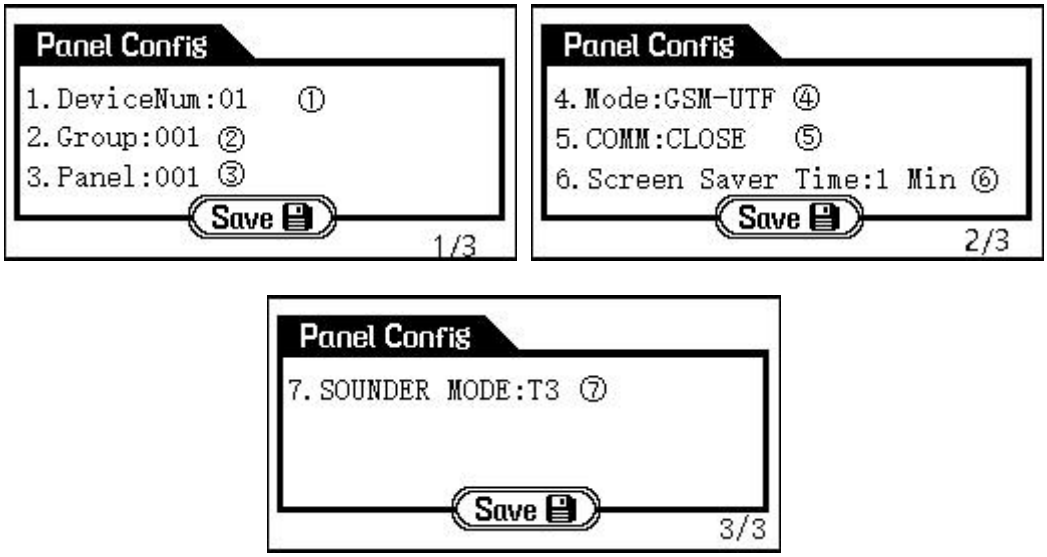
⑨ History settings
⑩ Panel info settings
⑪ Restore factory setting
Long press the left key to return

4.1 Set panel address Configure

Click “Panel Configure” option on the Menu shown in the figure 4.



as shown in the figure 4

①The number of connected wireless panel can be connected to 01-99
②The group of the panel can set 1-120 groups(If the set is more than 120, the save is invalid)
③The panel number can be set to 1-250 (If the set is more than 250, the save is invalid)
④Mode Selection：

The panel can use the ASENWARE GSM module and set up GSM Configure. Because of communicate difference on different country, There are three different text mode: GSM-UTF，GSM-7BIT and GSM-TEXT. （Note：When phone number is inputted, area code is necessary when GSM-UTF or GSM-7BIT mode is selected. For TEXT mode， phone number can be inputted without area code.)

GSM can enable the data upload function to the cloud. Data will be continuously uploaded to the target server after the cloud function is enabled.

Raw Data: Original data can be provided. （the panel can’t use the ASENWARE GSM module）

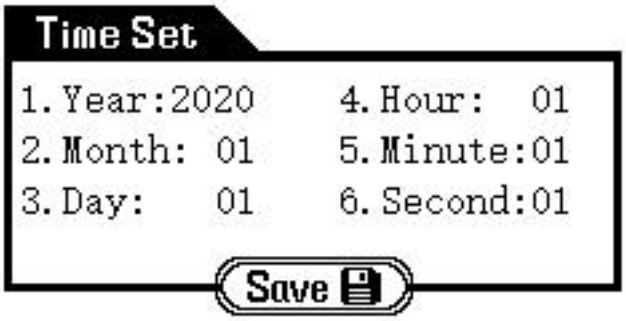
WIFI： WIFI module (mutually exclusive with the GSM module) is required, Cloud function will continue to upload data to the target server after the module is equipped.

⑤The comm check refers to the communication fault Settings of the panel and wireless equipment.× Unblocked fault, ✓Shielding fault.
⑥Set the screensaver time: The default value is 3Min, the all value is 1Min, 3Min, 5Min, 10Min, 30Min, inf.
⑦ Set sound mode: either T3 mode or Fire mode can be selected.
Note： inf. (without screensaver) is for testing purposes only
The final setup is to be saved.

If multiple panels are installed in the same place, it is possible to install multiple panels by setting different

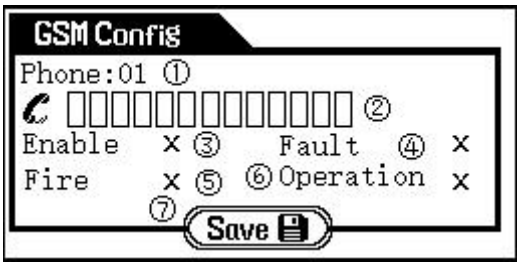
groups and panels for the panels.

4.2 time settings



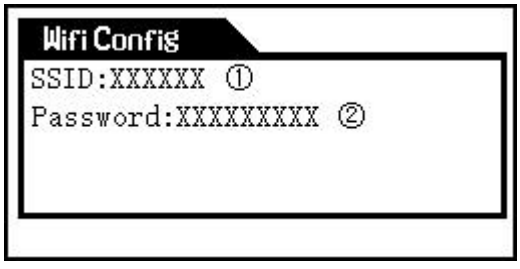
Set operating time on the panel.
Use the Up, Down, Left, and Right arrow keys to select the time that you want to modify, then press Enter to enter edit mode. In edit mode, adjust the time using the Up and Down arrow keys. Press Enter again to exit.

4.3 GSM Configure



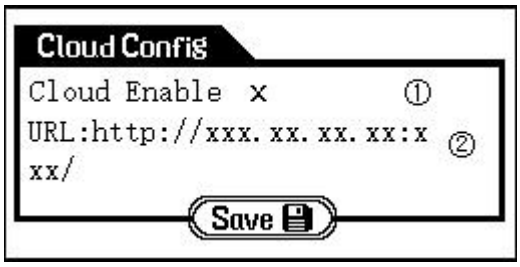
① Phone number serial number. It can be 1-10.
② Phone number input. For UTF mode or 7BIT mode (please refer to 4.2④), Area code is necessary. For TEXT mode，phone number can be inputted without area code.
③④⑤⑥Corresponding message, if the corresponding option is "√" that sends the event through GSM.
③Evacuation of the panel, ④Fault of panel, ⑤The panel is received by the fire alarm ， ⑥Panel operation reset event
The cursor moves to the list of the box when each cell phone number is set up. Complete setting the cursor to click ⑦ return the menu page for other functional Settings.

4.4 WIFI Settings



①SSID indicates WIFI account
②Password indicates WIFI password
Note:Currently, this module only supports the 2.4GHz band

4.5 Cloud configuration



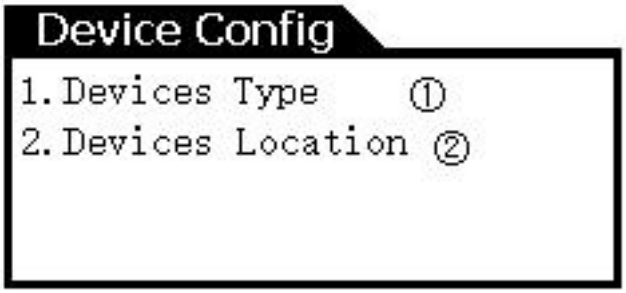
①Cloud Enable indicates whether to enable cloud mode

②URL indicates Destination server address:

URL can be imported only through USB. On this screen can only change whether to enable the Cloud mode

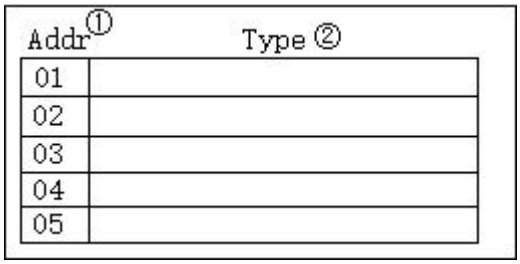
GSM/WIFI module will continue to upload data to the target server after the cloud mode is enabled

4.6 Device configuration function options



①View device type

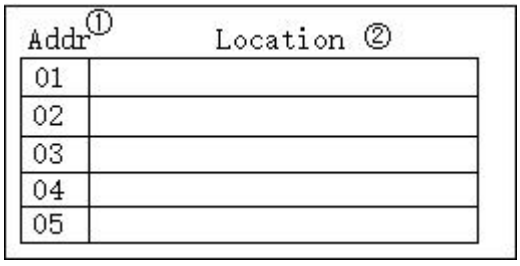
②View device address information



①Left side indicates serial number of the address

②Right side indicates type of the device corresponding to the address

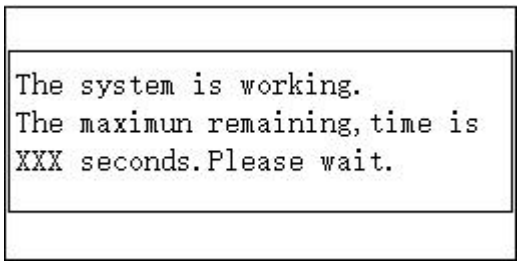
20 pages totally showing device type for addresses 1-99



①Left side indicates serial number of the address
②Right side indicates location of the device corresponding to the address
20 pages totally showing device locations for addresses 1-99

4.7 USB Import

Click to enter the countdown interface. After entering the interface, the phone number configuration, device “Location” information, WIFI account password and URL data of the device can be imported from the upper computer through USB.



Import success display

Import failure display

4.8 Set up the panel to connect the wireless device configuration

Enter the wireless device connection Settings. the panel indicator is flashing and the Settings page is shown in flowing figure

①The panel number of the automatic synchronous wireless equipment of the panel, You don't have to set it.
②The group number of the automatic synchronous wireless equipment of the panel, You don't have to set it.
③Set the wireless device address number(Note: wireless equipment address number is less than ≤ The number of connected wireless panel, Otherwise the Settings are invalid)
After setting up the ③, the wireless device enters the wireless matching mode.
Move the cursor to the ④ and press the confirmation key to match the connection.
⑤Display programming status(sending.../successful/fail)

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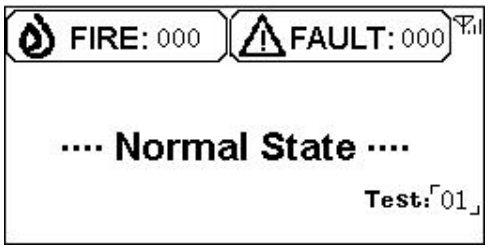
After matching, return to the main page, press the wireless equipment test key, the panel and wireless equipment will answer, the panel's main page display the number of wireless equipment test.

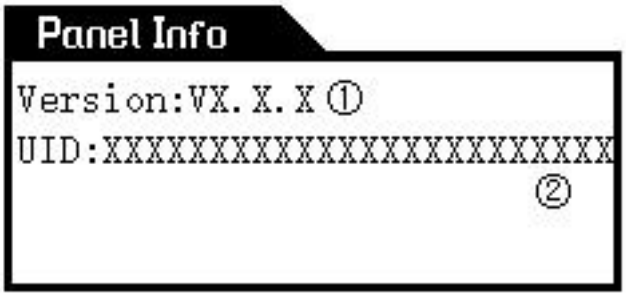


main page

4.9 history settings

① Fire history: log relevant content of fire alarm, and the maximum allowed records is 992.
② Fault history: log relevant content of fault, and the maximum allowed records is 992.
③ Operation history: log relevant content of operation., and the maximum allowed records is 499.
④ History clean: delete all the above content from option ① to ③.

4.10 Panel info settings



① "Version" indicates the number of current software version.
② UID indicates 24-digit hexadecimal machine code for configuring GMS software.

4.11 Restore factory setting

Password is required before reset (password is 1111)

If the password is entered successfully, the SAVE OK will be displayed, and the data set of the Panel will be reset to

Device Num-00, Group-121, Panel-251

Mode-Raw, Comm-Close

Phone number，Location information，WIFI Settings，URL Settings all clear

If the password is entered incorrectly, the password error is displayed and the menu page is returned.

5 Installation and maintenance

5.1 Installation Notes

- The panel should be installed on a dry and flat wall, keeping sight height and horizontal position, so as to ensure the balance of the panel.
- The panel should not be installed in a closed environment or near a heat source.
- Make sure the installation environment is dry and free of debris and extreme temperatures.

6 Maintenance

- The control panel should be kept dry. If the control panel becomes dirty, wipe it with a dry cloth to ensure that no water enters the case.
- System testing can only be carried out by trained personnel, and appropriate isolation measures must be taken to avoid accidental losses.
- Before the test starts, please notify all members in the area.
- The battery should be checked regularly.

7 Installation Information

Installer: _____ Company: _____

Tel: _____ Add: _____

Date: _____ Serial No.: _____

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