SANJIANG



Fire Alarm System

SANJIANG

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Key Guide

Applications

- Bedroom
- Escape Routes
- Dusty Environments
- Car Parks& Loading Bays
- Medium to Large Buildings
- Hospitals
- Large Hotels
- Data Centres
- Restaurants
- Small to Medium Buildings
- Listed Buildings
- Marine
- B&Bs/ Guest Houses
- Hazardous Areas
- LPCB Approval

Product Types

- Optical
- Carbon Monoxide
- Multi-Sensor
- Heat

Product Highlights

- New Product

Fire Type

- Slow Burn Smouldering

Product Features

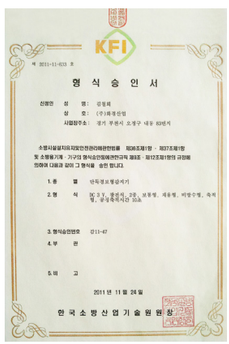
- Wireless
- Reduced False Alarms
- Easy Installation
- Waterproof
- Remote Test Feature

Certificate











Create a safe world Enjoy a smart life

Shenzhen Fanhai Sanjiang Electronics Co., Ltd.

As a high-tech company founded in 1994 and affiliated to the China Oceanwide Holdings Group, Shenzhen Fanhai Sanjiang Electronics Co., Ltd. (Sanjiang for short) is one of the top three manufacturers in China engaged in the R&D, production, sales, engineering design and installation of fire alarm equipment, home automation system for buildings and surveillance equipment.

Adhering to the quality policy of “Train excellent employees, produce quality products, provide excellent service” and treating the continuous improvement of customer satisfaction as its goal, Sanjiang has established the ISO9001 quality management and assurance system (certified by the international authoritative organization BSI). It is an inspection-exempt product supplier of many internationally famous enterprises like Huawei, Emerson, Alcatel-Lucent, etc.

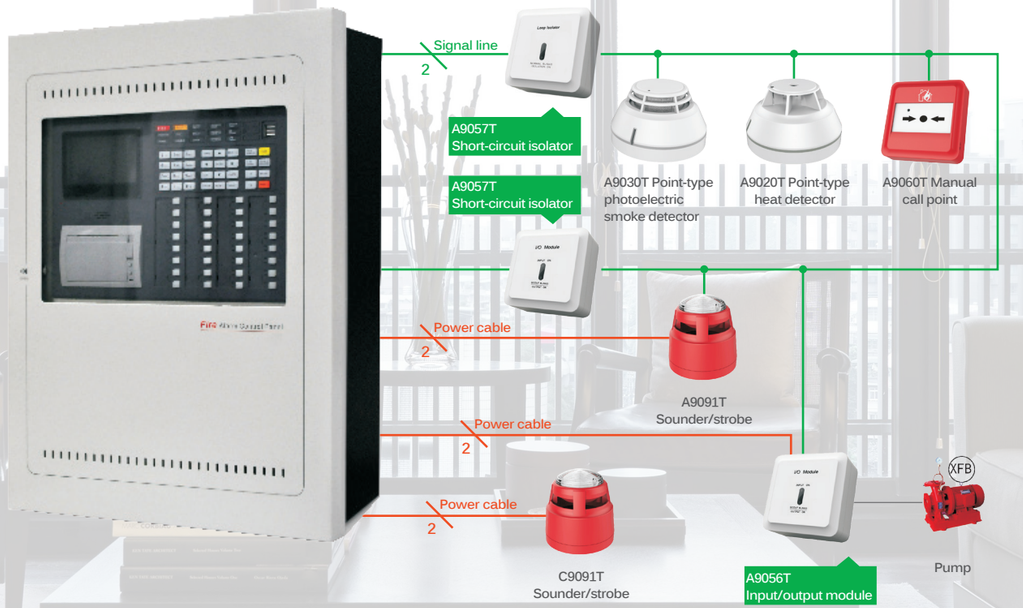
Sanjiang has about 60 branches in all the large or medium-sized cities throughout the country. Its sales and technical service networks cover the entire national market and its perfect after-sales service support system and professional technical team enable it to respond to the needs of customers in time. In the process of internationalization, we are making great efforts to develop an overseas market and our products have been sold to more than forty countries and regions including Japan, the EU, South Asia, Africa and etc.

Sanjiang is state high-tech enterprise and owns itself enterprise technique center, and runs a IOT union laboratory with Huazhong University of Science & Technology. Sanjiang also has successfully applied 81 patents including 11 invention patents. Meanwhile, we are one of the largest enterprise for Fire Alarm Product and Safety&Security Product.

With the vision of “Create a safe world, Enjoy a smart life”, Sanjiang makes unremitting efforts to create a safe, environmentally friendly, intelligent and comfortable living environment with its technologies and experience accumulated during its long-term engagement in the multiple professional fields of the low voltage of buildings.

Addressable Fire Alarm Control System (EU)

Schema of SEC3002 system



SEC3002

Addressable Fire Alarm Control Panel

SEC3002 represents Sanjiang's latest generation of addressable fire alarm control panel designed to comply with the latest versions of EN 54 parts 2&4 with qualities of simple installation, operation and easy maintenance. The wide range of SEC3002 configurations include standalone operation and networking with up to twenty panels for small to large sized applications.

Product Features:

- Up to 324 addresses for one loop.
- 4.3" color screen LCD, resolution of 480×272.
- Zone indication and control panel for 32 zones give a quick indication of the location of an alarm.
- Record capacity of 1000 historical events with date/time stamp.
- Integral power supply and battery.
- Integral printer.
- A standalone programmable conventional sounder circuit output.
- Flexible and intuitive cause and effect programming on front of panel.
- Output module manual start/stop facilitates the commissioning and operating.
- It supports the detector/module testing individually.
- USB port makes the load and save of configuration data or historical data convenient for system commissioning and maintenance.
- Hierarchy management with three access levels.
- Anti-tamper protection by a key lock.
- Networkable: CAN bus for interconnection of up to 20 FACPs and Ethernet for up to 255 FACPs.



Technical Parameters:

Main power supply	220V/230VAC±15%. 47~63Hz. Max current 0.8A
Mains fuse	T3.15AL250V
Max. battery capacity and type	2×12V/17Ah VRLA
Max. charging current	1.2A
Max. internal resistance of battery	1Ω
Fire alarm output (+, -)	Output voltage 18.5VDC~27.5VDC Max. output current 0.5A End of line resistor 4.7KΩ
F.P.E. output (+, -)	Output voltage 18.5VDC~27.5VDC Max. output current 0.5A End of line resistor 4.7KΩ
Sounder circuit output (+, -)	Output voltage 18.5VDC~27.5VDC Max. output current 0.5A End of line resistor 4.7KΩ
Fault output (NC, COM, NO)	Contact capacity 30VDC@2A, 125VAC@0.5A
24V (+, -)	Output voltage 18.5VDC~27.5VDC Max. output current 0.6A
Class Change	Programmable input terminal. Shorting this terminal can enable Sounder Circuit Output (S.C. Out).
Loop Out (+, -)	Polarized signal cable from the FACP connects to 324 addressable devices
Loop In (+, -)	Polarized signal cable returns to the FACP
Temperature	-10°C~+55°C
Humidity	≤95% (40°C±2°C, no condensation)
Dimension(H×W×D)	565×430×170mm

A9030T

Point-type Photoelectric Smoke Detector



Product Features:

- It supports soft addressing and the address rewriting via coder in situ.
- Within a single-chip microcomputer, it can process the sampling data in real-time, save the latest 144 historical data and realize a curve tracing for the field situation.
- It supports temperature, humidity and dust accumulation drift compensation and sensor fault inspection (fault reporting to fire alarm control panel).
- Non-polarity, two-wire bus connection that ensures convenient installation and maintenance.
- Designed with an upper cover and a lower cover and installed on a detector base, it can be installed, commissioned and maintained conveniently.
- Built-in remote indicator output terminal, the output signal drives remote indicator light when fire alarm.
- Comply with EN54-7.

A9020T

Point-type Heat Fire Detector



Product Features:

- It supports soft addressing and the address rewriting via coder in situ.
- Within a single-chip microcomputer, it can collect real-time data and then process it to realize a curve tracing for the field situation.
- It supports temperature compensation and a sensor fault detection(fault reporting to the fire alarm control panel).
- Non-polarity, two-wire bus wiring that ensures convenient installation and maintenance.
- Designed with an upper cover and a lower cover and installed on a detector base, so it can be installed, commissioned and maintained conveniently and do not distinguish the connection line.
- Built-in remote indicator output terminal, the output signal drives remote indicator light when fire alarm.
- Comply with EN54-5.

A9060T

Manual Call Point



Product Features:

- Semi-flush or surface mount.
- Lever reusable (non-glass break).
- LED indicator.
- Support non-polarity, complete soft addressing in situ.
- Designed with passive output contacts to control other external equipment directly via an intermediate relay.
- Comply with EN54-11.

A9091T/C9091T

Addressable/ Conventional Sounder visual indicator



Product Features:

- Comply with EN54-3 and EN54-23.
- Designed with an upper cover and a lower cover and installed on a detector base, so it can be installed, commissioned and maintained conveniently.
- Suitable for wall and ceiling-mount installation.
- Providing 16 alarm tones.

A9056T

I/O module



Product Features:

- Semi-flush or surface mount.
- Lever reusable (non-glass break).
- LED indicator.
- Full soft addressing, and rewriting through CODER-9001 encoder in site.
- Comply with EN54-18.

A9057T

Short circuit isolator



Product Features:

- In the event of a short circuit it isolates faulty parts of the loop.
- Automatically resetting once the fault has been cleared.
- LED lights indicate status.
- Comply with EN54-17.

Addressable Fire Alarm Control System

Schema for MN3010/ 9108E/ 9116E system



MN3010

Addressable Fire Alarm Control Panel (Single loop)

MN3010 runs up to 50/ 100/ 200/ 324 addresses with single loop, detectors and modules report alarm signal actively. Witth three adjustable sensitivity modes for environmental variations, it is ideal to meet various environment requirements in any area, suitable for small or medium sized commercial and industrial premises. With the robust, enhanced and proved Sanjiang Digital Systems Protocol running for ten years, the control panel MN3010 epitomizes quality, durability and reliability. Further more, MN3010 can be networked to become part of much larger systems if needed, therefore providing a future proof solution for any installation.
Fully compliant with CCC (the Chinese standard for fire alarm systems), MN3010 is an entry level intelligent addressable control panel which can be configured for 1 loop operation. The simplicity of operation, detailed cause and effect programming capability and competitive price make the system suitable for a wide range of small to medium sized projects.

Product Features:

- 4.3"color LCD, resolution 430×272.
- 1 loop panel with up to 324 points.
- Windows/ Excel-like friendly user interface combined with keypad, mouse, key switch and USB port makes operation convenient.
- Flexible distributed network capability, up to 20 sets of MN3010 can be interconnected.
- Non-polarity two-wire bus makes cabling easy and avoids mistakes.
- Support mixed coding and can identify repeated codes automatically, which improves addresses usage rate.
- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Special production process makes the device work at high temperature, high humidity and high altitude environment available.
- Support up to 20 units of Sanjiang FACP (any mix of single loop MN3010s and 16 loops 9116Es) interconnected.
- Printer optional.



Technical Parameters:

Capacity of control panel	50/ 100/ 200/ 324 Points
Main power supply	220V±20%/50Hz
Backup battery	DC24V/5Ah
Output	Active fire alarm output：1A@24VDC Dry contact fault output：(one group open normally，one group close normally) 1A@220VAC，3A@24VDC
Length of loop	Two-wire bus≤2000 meters
Mounting	Wall-mount or semi-flush mount
Dimension	330×405×120mm
Material	A3 steel

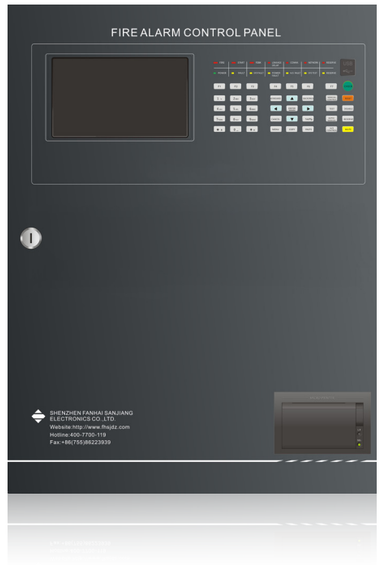
JB-QBL-9108E/ 9116E

Addressable Fire Alarm Control Panel (2~16 loops)

JB-QBL-9108E/9116E fire alarm control unit is a new generation of addressable FACP with 2~16 loops. The fire alarm control unit is of modular design and full range of compatible addressable detectors, sounder visual indicators, modules and manual call points from Sanjiang Electronics. The system is equipped with 7"color LCD and a mini-printer as standard. It has the capabilities of comprehensive field programming and solving complex cause and effect setup. It imitates Windows operation interface, which is easy to learn and use. It is suitable for buildings, exhibition centers, libraries and other large or medium-sized fire projects.

Product Features:

- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Windows/ Excel-like friendly user interface combined with keypad, mouse, key switch and USB port make operation convenient.
- It provides fault and fire alarm output contacts, supports interconnection of 60 controllers of JB-QBL-9116E with CAN Bus, and supports network of 254 control units with Ethernet.
- Record capacity is up to 1000 historical events for each of fire, fault, request, feedback, and operation. Display fire alarm, fault, request and feedback for 500 events at real time respectively.
- Output module manual start/stop facilitates the commissioning and operating.
- It supports the detector/module testing individually.
- It can be connected with Graphical Display CRT contributing to display information of fire alarms intuitively.
- The system carries out the hierarchy management of multi-level users and the users of different levels are granted with corresponding operating system permissions.
- It is possible to update the system on field or remotely to ensure the system operates stably and reliably.



Technical Parameters:

Models	JB-QBL-9108E	JB-QBL-9116E
Operating Voltage	Input Voltage：AC220V±20%　50Hz. Input consumption：≤200W	
Loops	2~8 loops(324 points per loop)	2~16 loops(324 points per loop)
Length of loop	Two-wire bus≤2000 meters	
Network Communication	Via CAN bus and Ethernet	
Network Capacity	CAN bus≤60 units，TCP/IP communication≤255 units	
Mounting	Wall-mount	
Dimension	580×440×125mm	

JB-QGL-9100E

Addressable Fire Alarm Control Panel(2~80 loops)

Designed by Sanjiang, the JB-QGL-9100E fire alarm control panel is a new generation intelligent fire alarm control panel in accordance with many years of experience in fire detection, requirements and specification of the Chinese Standards of (GB 4717-2005), (GB 16806-2006) and European standards of EN 54-2 and EN 54-4. The fire alarm control system is extensively applied in high-grade business buildings, big residence communities, department stores, gymnasiums, exhibition halls, libraries, factory buildings, supermarkets, hotels and other large or medium-sized fire detection projects.

Product Features:

- 7.4" 16-grey-scale LCD display with a display resolution of 640×480.
- Windows/ Excel-like friendly user interface combined with keypad, mouse, key switch and USB port makes operation convenient.
- It uses a flexible and convenient, standard PS/2 computer keyboard and mouse as on-site programming devices.
- It adopts a non-polarity two-bus intelligent programming mode and employs a total of 324 intelligent detectors or modules for a single loop.
- It can be connected with the Linkage Control Unit with a maximum capacity of 4000 points.
- Record capacity is up to 1000 historical events for each of fire, fault, request, feedback, and operation respectively.
- It introduces the concept of a virtual interface board to realize the cause and effect programming, thus realizing the most complicated system programming easily.
- It can be connected with the CRT-9000E graphical display device (optional) in the fire control room to display the specific locations of fires and faults intuitively.



Technical Parameters:

Models	JB-QGL-9100E
Operating Voltage	Input Voltage：AC220V±20%　50Hz. Input consumption：≤200W
Loops	2~80 loops
Length of loop	Two-wire bus≤2000 meters
Network Communication	Via CAN bus and Ethernet
Network Capacity	CAN bus≤99units，TCP/IP communication≤255 units
Mounting	Rack Type
Dimension	600x600x1800 mm

JB-QTL-9100E

Addressable Fire Alarm Control Panel(2~80 loops)

Designed by Sanjiang, the JB-QTL-9100E fire alarm control panel is a new generation intelligent fire alarm control panel in accordance with many years of experience in fire detection, requirements and specification of the Chinese Standards of (GB 4717-2005), (GB 16806-2006) and European standards of EN 54-2 and EN 54-4. The fire alarm control system is extensively applied in high-grade business buildings, big residence communities, department stores, gymnasiums, exhibition halls, libraries, factory buildings, supermarkets, hotels and other large or medium-sized fire detection projects.

Product Features:



- 7.4" 16-grey-scale LCD display with a display resolution of 640×480.
- Windows/ Excel-like friendly user interface combined with keypad, mouse, key switch and USB port make operation convenient.
- It uses a flexible and convenient, standard PS/2 computer keyboard and mouse as on-site programming devices.
- It adopts a non-polarity two-bus intelligent programming mode and employs a total of 324 intelligent detectors or modules for a single loop.
- It can be connected with the Linkage Control Unit with a maximum capacity of 4000 points.
- Record capacity is up to 1000 historical events for each of fire, fault, request, feedback, and operation respectively.
- It introduces the concept of a virtual interface board to realize the cause and effect programming, thus realizing the most complicated system programming easily.
- It can be connected with the CRT-9000E graphical display device (optional) in the fire control room to display the specific locations of fires and faults intuitively.

Technical Parameters:

Models	JB-QTL-9100E
Operating Voltage	Input Voltage：AC220V±20%　50Hz. Input consumption：≤200W
Loops	2~80 loops
Length of loop	Two-wire bus≤2000 meters
Network Communication	Via CAN bus and Ethernet
Network Capacity	CAN bus≤99units，TCP/IP communication≤255 units
Mounting	Console Type
Dimension	1110x560x1300 mm

JTY-GD-930E

Point type photoelectric smoke detector



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- It adopts backward scattering maze, which makes it more sensitive to detect the smoke generated from burning of different materials.
- Support sensor fault inspecting and reporting to ensure system work and maintain well.
- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Drift compensation to reduce nuisance alarms.
- Special production process makes the device work at high temperature, high humidity and high altitude environment available.
- ESD static protection grade 12000V, strong anti-interference ability.

JTW-ZD-920E

Point type heat detector



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- Sealed robber type of heat sensitivity component enhances anti-humidity and anti-erosion.
- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Temperature rising compensation to improve responsive capacity upon different temperature rising status.
- Special production process makes the device work at high temperature, high humidity and high altitude environment available.
- ESD static protection grade 12000V, strong anti-interference ability.

JTF-GDM-936E

Point type multi-sensor smoke and heat detector



Product Features:

- It comprises optical smoke and thermistor temperature sensors which give both a combined signal as well as a separate heat signal for improved false alarm management.
- It adopts backward scattering maze, which makes it more sensitive to detect the smoke generated from burning of different materials.
- Sealed robber type of heat sensitivity component enhances anti-humidity and anti-erosion.
- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Temperature rising compensation to improve responsive capacity upon different temperature rising status.

JTY-HF-C33

Line-type beam smoke detector



Product Features:

- It consists of a pair of emitter and receiver.
- Enclosure material: plastic.
- Rated operating voltage: DC 24V.
- The emitter has a green LED which indicates working status and is always on during monitoring status.
- The receiver has a yellow LED which indicates fault status and is always on during fault status, and a red LED indicates alarm status which is always on during alarm status.

JTG-ZF-C34

Point-type ultra-violet flame detector



Product Features:

- Combined with specific ultra-violet detection circuit and software algorithm, it detects the flame radiant energy in the range of 190nm~260nm spectrum, and has a strong capability of anti-false alarm.
- High sensitivity, long distance detection, wide viewing angle, large protection area, all these make it cost-effective.
- Strong capability of anti-false alarm. It can distinguish the different signals of sunlight, artificial light source, thermal radiation, electromagnetism, mechanical vibration to avoid false alarm.
- High protection rate: dust-proof, water-proof and applicable in many using places of bad surrounding.
- Convenient installation and usage, low maintenance cost.

JTGB-UF-C35EX

Point-type infrared flame detector



Product Features:

- Combined with flame multispectral signal collection method/ full frequency wave analysis, it detects the flame radiant energy in the range of 1.1um~3.2um spectrum to avoid the weakness that conventional detectors are easily interfered.
- High sensitivity, long distance detection, wide viewing angle, large protection area, all these make it cost-effective.
- Strong capability of anti-false alarm and anti-interference, it remains unaffected by wind, rain, high temperature, high humidity and artificial light source. Can work well indoor or outdoor (with light shield).
- High protection level: dust-proof, water-proof and applicable in many using places of bad surroundings.
- Convenient installation and usage, low maintenance cost.

JTQ-BM-925TE

Point-type combustible gas detector



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- With semiconductor gas sensor, the detector lifespan can be up to 5 years, and has high stability.
- Support sensor fault inspecting and reporting to ensure system work and maintain well.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.

J-SAP-M-962E

Manual call point



Product Features:

- The intelligent manual fire call point is mainly designed to be used with an intelligent two-bus control system.
- Matched 9000E series fire alarm control system (such as JB-QGL-9000E or MN3010).
- Designed with upper cover and base, it can be installed, debugged and maintained conveniently.
- Designed with passive output contacts, it can control other external equipment directly through an intermediate relay.
- The pressing sheet on the manual fire call point will not get crushed after it is pressed, but can be reset by a special tool, so it can be used repeatedly. Wiring method: Non-polarity two-bus system.
- Coding method: Mixed coded.
- Telephone jack: Two-wire fire telephone jack (equipped with a standard Φ6.3 single-track audio connector).

J-SAP-M-960E

Manual call point



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- Pressing the lever sheet on the fire call points to confirm the fire alarm, it can be reset by the special tool.
- It has a built-in fire telephone jack and a PHONE indicator.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.
- It provides passive output contacts that can control other external equipment directly through an intermediate relay.

JS-951E
Input Module



Product Features:

- The JS-951E input model can be connected with various passive, normally open on-off pieces of equipment, such as water flow indicators, pressure switches and other firefighting equipment.
- Built-in standalone CPU, quick calculating speed.
- JS-951E input module receives external device's input signal, and delivers the signal to the controller.
- Non-polarity two-wire bus to make wiring easy, and avoid mistakes.
- Special production process to make the device can work at high temperature, high humidity and high altitude.
- ESD static protection grade 12000V, strong anti-interference ability.

JK-952E
Input Module



Product Features:

- Built-in standalone CPU, quick calculating speed.
- Non-polarity two-wire bus to make wiring easy and avoid mistakes.
- Connect conventional detector, manual call point or fire hydrant button, and deliver the alarm signal to the controller.
- Each module can connect up to 25 conventional detectors.
- Special production process to make the device can work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.

KZ-953E
Output Module



Product Features:

- The KZ-953E output module is mainly used for the output control of fire linkage equipment (such as alarm bells).
- KZ-953E gives control signal(passive or active) to external device, and the DC 24V is needed when the signal is active.
- It is loop-powered with visible LEDs and 2A rated dry contact.

KZJ-956E
Input/Output Module



Product Features:

- Built-in standalone CPU, quick calculating speed.
- Non-polarity two-wire bus to make wiring easy and avoid mistakes.
- Special production process to make the device can work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.
- Give the control signal to external device and receive the feedback signal from the device to judge if the external device worked, and the DC24V is needed when signal is active.

GL-957E
Short Circuit Isolator



Product Features:

- It ensures operation of the system in the event of a short circuit fault on the loop and reset when the failure is removed.
- It is easy to identify the short circuit position at the loop.
- Special production process to make the device can work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.
- It doesn't occupy any address in loop.

SG-991E
Sounder visual indicator



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- Sounder/ visual indicator setting freely according to different environment.
- With super bright red LED, it features markedness, long lifespan, and low consumption.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.

JB-FSD-982E
Repeater Panel



Product Features:

- Built-in standalone CPU, quick calculating speed.
- Connect with 9100 series fire alarm control panel via RS-485 bus. Each control panel can connect up to 99 units of repeater or KR-485 expansion panel. And KR-485 expansion panel can connect up to 50 repeater panels.
- It can give sound and light alarm signal, and support fault detecting.
- With special production process, the device can work at high temperature, high humidity, extremely cold, and high altitude environment.
- ESD static protection level 12000V, and strong anti-interference ability.

JB-FSD-9082
Repeater Panel



Product Features:

- Fashion design.
- Easy to operate and install.
- The maximum length of the bus can be up to 1000 meters or more with RS-485 bus.
- Connect with SEC3002 fire alarm control panel via RS-485 bus.
- With special production process, the device can work at high temperature, high humidity, extremely cold, and high altitude environment.
- ESD static protection level 12000V, and strong anti-interference ability.

CRT-9000E
Graphical Display Unit



Product Features:

- The system is stable and reliable with industrial unit.
- Operation interface displays images and words intuitively and clearly.
- Networked with Fire Alarm Control Panel JB-QBL-9116 series via CAN bus.
- Based on tree structure, the unit displays with different colors according to status of Normal, Fire, Feedback, and Fault.
- The floor plan will pop up automatically once there is a fire or fault on the floor.
- It is convenient to find out floor message, loop message, fire feedback and fault message in three pages of display.
- Detail information of equipment on floor plan displays dynamically.
- Hierarchy management with three access levels: User, Administrator, and Super User.

CODER-F900E
Portable Coder



Product Features:

- Small, shockproof, portable.
- Low consumption. Can work 18 hours constantly.
- Address number plus one automatically while coding .
- Support inspection on remaining battery.
- Over discharging protection.
- Support bus short circuits protection .
- Support power saving automatically, and power off automatically.

GB9221
Fire Broadcast Amplifier



Product Features:

- Simple operation, convenient management; The audio signal can be input by external devices (such as CD/MP3 player).
- Output power includes three series of 150W, 300W, 500W.
- With anti-interference and fault-tolerant capability and multi-channel technology, the whole system will not breakdown when one of the terminal devices failed.
- One loop of built-in fire emergency broadcast (recorded voice) and two loops of external auxiliary input with the functions of self-checking, monitoring, emergency broadcast volume presetting, etc.
- With superior toroidal transformer and sophisticated over-voltage, over-current and over-heat protection circuit , it has low idle discharge and high load capacity. It will alarm when any fault happens.

KT9213
MP3 Preamplifier



Product Features:

- MP3 player can realize background music broadcast together with the amplifier.
- USB port enables connection of USB flash disk/ card reader to play music with automatic/ manual options.
- With built-in fire emergency broadcast (recorded voice message), it can switch the sound sources via the “Emergency/MP3/Aux” key.
- With built-in digital recording chip and area, it can achieve recording via circuit or microphone.
- Self-provided regulated power supply.Dimension: 2U.

SPK-X3W/X5W-E
Fire Broadcast Loudspeaker



Product Features:

- Round shape, ceiling-mounted.
- Input voltage:100V-120V
- High sensitivity for sound source: 90dB±3dB
- Wide effective frequency range: 120-12000Hz
- Rated power: 3W/5W

SPK-B3W/B5W-E
Fire Broadcast Loudspeaker



Product Features:

- square, wall-mounted.
- Input voltage: 100V-120V
- High sensitivity for sound source: 90dB±3dB
- Wide effective frequency range: 120-12000Hz
- Rated power: 3W/5W

DH9251/B
Fire Telephone Host



Product Features:

- 2N wire connection mode, provide 24V/DC stabilized power supply to telephone extensions, audio communication line has no polarity.
- With intelligent detection, it can alarm any open circuit fault.
- With full digital MCU control and anti-jamming technology, it can work under all kinds of complex environment.
- The host machine and extension can have full duplex communication and multi-party call.
- Recording function and display function of calls and response time. 100 call records could be checked.
- With advanced digital recording technology, it is reliable and durable.

DH9271
Fire Telephone Extension



Product Features:

- Reference standard: <GB 3380>, <GB/T 15279-2002>.
- It needs to be used together with DH9251/B fire telephone host, no need to dial.
- An indicator is configured on the extension shell, and it keeps on when standby , flashes when receiving call while the extension rings.
- Connection mode: directly connect to the phone cable or via telephone jack.
- Lead mode: 4 options of U clip, audio Φ6.5 plug, wide crystal head (6P4C) and narrow crystal head (4P4C) .

DH9261/B
Fire Telephone Host



Product Features:

- It adopts two bus technologies and supports POE power supply to extensions, no additional power cord is needed and saves engineering cost. Thanks to no polarity for the connecting wires, it is convenient for commissioning.
- With intelligent detection, it can alarm any open circuit fault.
- With full digital MCU control and anti-jamming technology, it can work under all kinds of complex environment.
- The host machine and extension can have full duplex communication and multi-party call.
- Recording function and display function of calls and response time. 100 call records could be checked.
- With advanced digital recording technology, it is reliable and durable.

DH9272
Fire Telephone Extension



Product Features:

- Reference standard: <GB 3380>, <GB/T 15279-2002>.
- It needs to be used together with DH9261/B fire telephone host, contains eight bit code switch, the address code and the volume of the extension could be set.
- An indicator is configured on the extension shell, and it keeps on when standby , flashes when receiving call while the extension rings.
- Connection mode: POE power supply, no polarity, no need additional power supply.
- Lead mode: 4 options of U clip, audio Φ6.5 plug, wide crystal head (6P4C) and narrow crystal head (4P4C) .

Conventional Devices

JTY-GD-930KE
Point type photoelectric smoke detector



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- It adopts backward scattering maze and makes it sensitive to detect the smoke generated from burning of different materials.
- Support sensor fault inspecting and reporting to ensure system work and maintain well.
- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Drift compensation to reduce nuisance alarms.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.

JTW-ZD-920KE
Point type heat detector



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- Sealed robber type of heat sensitivity component enhances anti-humidity and anti-erosion.
- Three sensitivity levels of the detector are optional at the control panel to suit different environments.
- Temperature rising compensation to improve responsive capacity upon different temperature rising status.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.

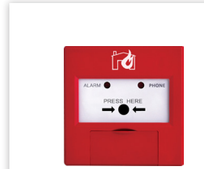
SG-991KE
Sounder visual indicator



Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability.
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring.
- Sounder/ visual indicator setting freely according to different environment.
- With super bright red LED, it features markedness, long lifespan, and low power consumption.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.

J-SAP-M-960KE
Manual call point

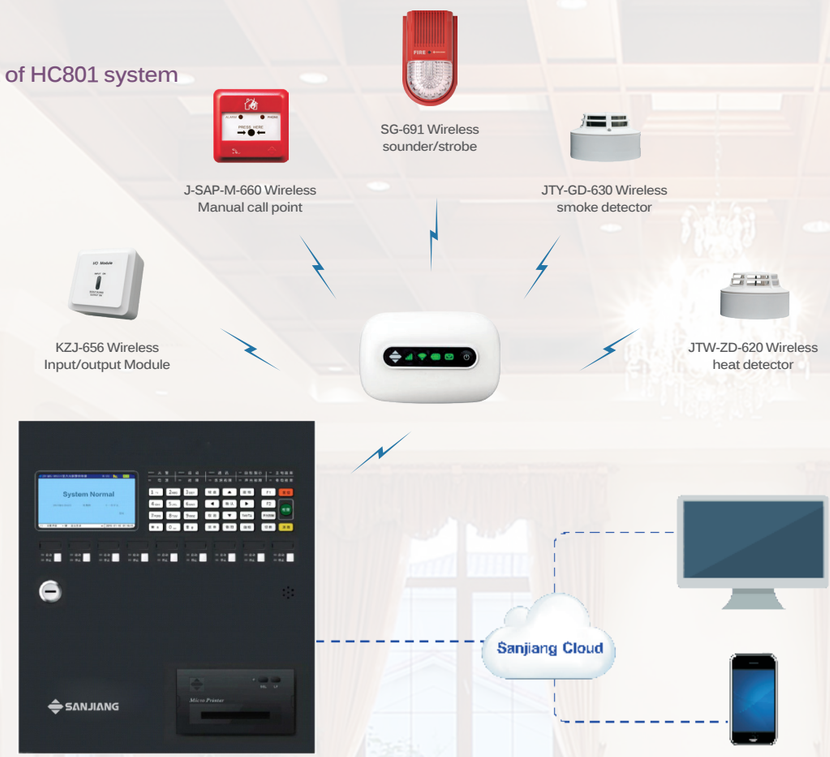


Product Features:

- Built-in standalone CPU, quick calculating speed and excellent stability
- Non-polarity two-wire bus to make cabling easy, and avoid wrong wiring
- Pressing the lever sheet on the manual call point to confirm the fire alarm, it can be reset by the special tool.
- It has a built-in fire telephone jack and a PHONE indicator.
- Special production process to make the device work at high temperature, high humidity and high altitude environment.
- ESD static protection grade 12000V, strong anti-interference ability.
- It provides passive output contacts that can control other external equipment directly through an interme-diate relay.

Wireless Addressable Fire Alarm Control System

Schema of HC801 system



JB-QBL-6001

Wireless addressable fire alarm control panel

With advanced wireless communication technology and a built-in wireless coordinator, the system can be expanded up to 4 units of wireless coordinators as well as maximum capacity would be 5 x 120 = 600 wireless nodes.
The 6001 wireless control panel has Data Collision avoidance and anti-disturbance mechanism to avoid interference of wireless signals in the same frequency range, so that it brings the system reliability and stability. Meanwhile, the 6001 can display nodes information on real time: Status, Location, Alarm, and Fault information; Low latency; Computer concentration remote control platform and APP alarm control customer end realize intercity network by PC end.

Product Features:

- It adopts 4.3" color LCD, and the resolution is 430x272.
- Display the real-time node status information that including the fire alarming and fault warning information (such as power fault and communication trouble etc.).
- Support connect and disconnect with the network internet automatically, node and router will find the other ways to communicate with host machine.
- Equipped with special mini printer for printing all kinds of operating status of the system at real-time.

JTY-GD-630

Wireless smoke detector



Product Features:

- Built-in wireless power amplifier transceiver module, high emitting power and reception sensitivity, dual-way real-time communication with wireless fire panel and terminal node, it acquires the wireless communication quality commands from wireless fire alarm control panel.
- Support battery and voltage self-checking, and it warns once low voltage is detected.
- Connect to the network automatically, easy installation and commissioning.

JTW-ZD-620

Wireless heat detector



Product Features:

- Built-in wireless power amplifier transceiver module, high emitting power and reception sensitivity, dual-way real-time communication with wireless fire panel and terminal node, it acquires the wireless communication quality commands from wireless fire alarm control panel.
- Support battery and voltage self-checking, and it will alarm once battery undervoltage fault.
- Connect to the network automatically, easy installation and commissioning.

J-SAP-M-660

Wireless manual call point



Product Features:

- Built-in standalone CPU, quick calculating speed, and excellent stability.
- The lever on manual call point is pressed for fire confirmation, and can be reset by special tool.
- Special production process to ensure that it can work at high temperature, high humidity and high altitude environment.
- ESD static protection rating 12000V, and has strong anti-interference ability.

SG-691

Wireless sounder visual indicator

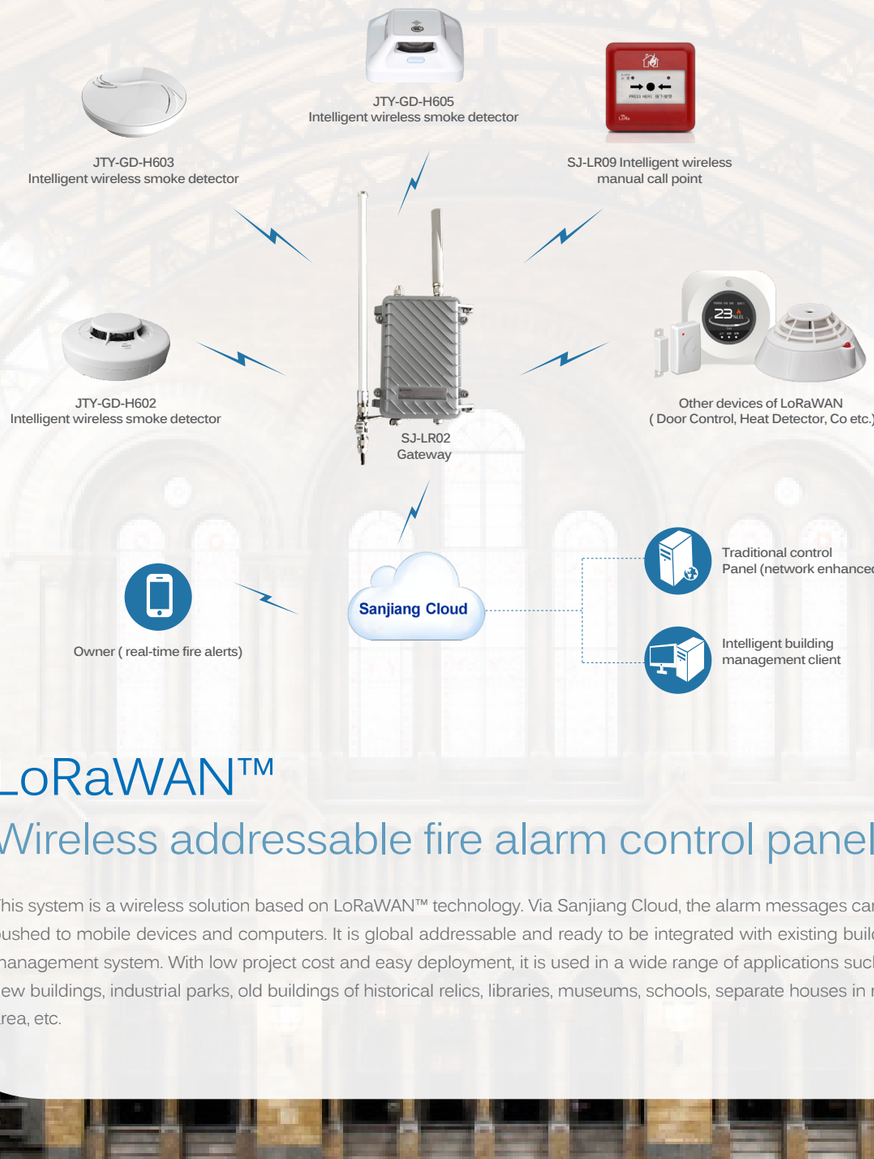


Product Features:

- Sounder/ visual indicator setting freely, and it is suitable for different environment.
- With super bright red LED as source that features markedness, long lifespan, and low consumption.
- Special production process to ensure it could work at high temperature, high humidity and high altitude environment.
- ESD static protection rating 12000V, and has strong anti-interference ability.

LoRaWAN™ Wireless Fire Alarm System

LoRaWAN™ Wireless Fire Alarm System



LoRaWAN™

Wireless addressable fire alarm control panel

This system is a wireless solution based on LoRaWAN™ technology. Via Sanjiang Cloud, the alarm messages can be pushed to mobile devices and computers. It is global addressable and ready to be integrated with existing building management system. With low project cost and easy deployment, it is used in a wide range of applications such as new buildings, industrial parks, old buildings of historical relics, libraries, museums, schools, separate houses in rural area, etc.

Product Features:

- Long transmission distance up to 2KM in urban environment.
- High capacity, up to 10,000 end-devices per gateway.
- Low power consumption. Long battery lifespan with up to 10 years.
- Multiple points triggered, real-time surveillance, stable.
- Monitor and control via mobile terminals.
- Realize communication with fire stations and police stations.

JTY-GD-H602

Intelligent wireless smoke detector



Product Features:

- Built-in wireless power amplifier transceiver module, high emitting power and reception sensitivity, dual-way real-time communication with wireless fire panel and terminal node, it acquires the wireless communication quality commands from wireless fire alarm control panel.
- Support battery and voltage self-checking, and it warns once low voltage is detected.
- Connect internet automatically, easy installation and commissioning.

JTY-GD-H605

Intelligent wireless smoke detector



Product Features:

- With a built-in high volume buzzer, it can release a sound alarm above 80 dB.
- It can send the information to “SANJIANG Cloud” based on the LoRaWAN protocol.
- With separate CPU controlling, it can identify the smoke and alarm intelligently.
- It is an ideal option for residence,coffee shop, leisure and entertainment places.
- It adopts 9V lithium battery, and can work for 3 years with low power consumption.

SJ-LR09

Intelligent wireless manual call point



Product Features:

- Working Voltage:DC3V(2 pcs of DC1.5V AA lithium battery).
- Low power consumption: monitoring current<20□A ,and the lifespan of the battery is more than 10 years.
- Long transmission distance:2 KM in the urban area.
- With plug type structure, it is easy for installation and maintenance.
- It can repeat the alarm and be reset by specific tools.

SJ-LR02

Gateway



Product Features:

- Equipped with high-performance CPU, built-in temperature sensor, and separate hardware dongle.
- As an industrial grade intelligent gateway based on LoRaWAN protocol, it can support 8 channels with bandwidth of 125kHz / 250kHz / 500kHz.
- Support Micro SIM card (all networks of 1800 MHz/900 MHz).
- With embedded reserve power supply, it will switch automatically when the main power shut off, and keeps working for above 6 hours.

Residential Detectors

JTY-GD-H365

LPCB Approval standalone smoke alarm



Product Features:

- Comply with EN 14604.
- Local test function.
- Low battery detection.
- Built in sounder with 85dB.
- Certification: LPCB .
- Suitable for residential applications, cafes, restaurants, apartments, etc.

A101

10 Year standalone smoke alarm



Product Features:

- The alarm volume is 85dB at least at a 3 meter (9.8 ft) distance.
- Fashion design and stability.
- Built-in high squealing buzzer.
- With 3V lithium battery and low consumption, it can work up to 10 years.

JTY-GD-H366

5 Year standalone smoke alarm



Product Features:

- Powered by 9V lithium battery,and low power that can continuous work for up to five years.
- No wiring required.
- Photoelectric smoke sensing device. When a fire occurs,it can detect smoke and alarm quickly.
- Self checking function and power undervoltage indication.
- Long lifespan of 5 years.

JTY-GD-H369

5 Year standalone smoke alarm



Product Features:

- With CPU controlling, it can detect the combustible smoke smartly and then give an alarm timely.
- With the photoelectric component and excellent process, it can perform stably.
- Built-in buzzer with high volume, it will give a squealing voice when alarming.
- With 9V lithium power supply and low consumption, it can work 5 years continuously.
- Support self-inspection and it warns once low voltage is detected.

JTY-GD-H362

Standalone/networkable smoke alarm



Product Features:

- Built-in CPU, guarantee a fast computing speed and a reliable performance.
- Drift compensation. Interconnected up to 16 pieces of smoke alarm of JTY-GD-H362.
- It can operate one year with 9V battery.
- Built-in sounder with 85dB.
- Local test and low battery detection.

JTY-GD-H363

Standalone smoke alarm



Product Features:

- Built-in CPU and back scattered chamber.
- It can operate one year with 9V battery.
- Built-in sounder with 85dB.
- Local test and low battery detection.
- It alarms if any of the sensing components fails.

F161
Combustible gas detector



Product Features:

- Integrated multi - function of natural gas detection, human voice broadcast, indoor temperature display and calendar .
- Ultra-keen smell, real time displays the current density value when the natural gas density exceeds 3%LEL.
- 90dB high volume human voice alarm, the contents will vary with different gas density.
- Configured with low consumption of heat electronic infrared sensor to display power on and off by detecting human body to control LCD.
- It adopts imported Japan Figaro sensor and built-in CPU with high performance, stable working and long lifespan.

F162
Combustible gas detector



Product Features:

- Combustible gas detector has a high quality thick film metal oxide semiconductors, screen printed gas sensor which can detect the leakage of combustible gases in houses, industries, hotels, apartments.
- With the excellent performance of the MCU, the detector is stable, long lifespan, easy to install.
- Support the real voice and buzzer alarming. The voice content will be varied with the concentration of the leakage of gas.

JTQ-BF-08T
Combustible gas detector



Product Features:

- Combustible gas detector has a high quality thick film metal oxide semiconductors,screen printed gas sensor which can detect the leakage of combustible gases in houses,industries,hotels,apartments.
- With the excellent performance of the MCU,the detector is stable,long lifespan,easy to install.
- Support the real voice and buzzer alarming.The voice content will be varied with the concentration of the leakage of gas.

JTQ-BF-09T
Combustible gas detector



Product Features:

- Combustible gas detector has a high quality thick film metal oxide semiconductors,screen printed gas sensor which can detect the leakage of combustible gases in houses,industries,hotels,apartments.
- With the excellent performance of the MCU,the detector is stable,long lifespan,easy to install.
- The digital tube is used to provide the real-time concentration display during gas leakage.Support the real voice and buzzer alarming.

JTQ-BF-10T
Combustible gas detector



Product Features:

- Combustible gas detector has a high quality thick film metal oxide semiconductors,screen printed gas sensor which can detect the leakage of combustible gases in houses,industries,hotels,apartments.
- With the excellent performance of the MCU,the detector is stable,long lifespan,easy to install.
- Support the real voice and buzzer alarming.The voice content will be varied with the concentration of the leakage of gas.

JTQ-DF-03
Carbon Monoxide Detector

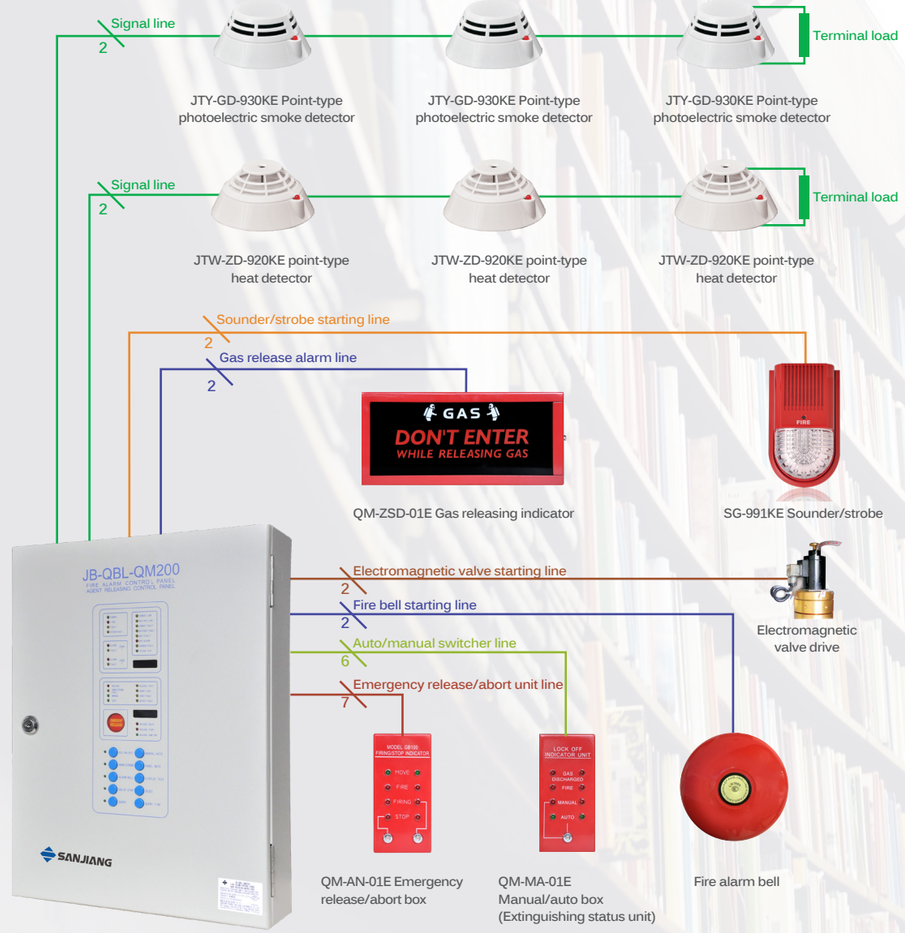


Product Features:

- With CITY sensor and the excellent performance Microchip core CPU, detector work stable, the false alarm rate is low.
- Long service life easy installation.
- Support the function of audible and light warning,The voice leakage accident more safely and quickly.

Conventional Gas Extinguishing System

Schema of Gas Extinguishing System



JB-QBL-QM200E

Conventional Gas Extinguishing Control Panel

The JB-QBL-QM200E is a wall-mount control panel with aesthetic design and simple operation. JB-QBL-QM200E and a wide range of detectors, gas releasing indicator, extinguishing status unit, sounder visual indicator, gas meter, gas cylinder and extinguisher cylinder groups compose the complete gas releasing system. It is ideal for computer room, library, mobile communication base station, UPS room, battery room, and diesel generator room, and other commercial and industrial premises not suitable for sprinkling systems.

Product Features:

- 2 loops for connecting fire detectors.
- It's available to preset 0-30seconds automatic delay for electromagnetic valve (electric detonator).
- To provide standalone output port for electromagnetic drive, and support 3A(24V) starting current.
- Keyboard lock password protection to prevent misoperation.
- To provide historical message record.
- All-in trouble monitoring; gas extinguishing control panel recover automatically without manual operation after trouble is removed.
- Applications: It's applied in locations where electrical fire, solid surface fire, liquid surface fire and gas fire which can be cut off gas source may occur; it also matches with cabinet-type or pipenet-type heptafluoropropane extinguishing device, mixed gas extinguishing device IG541, S- type aerosol extinguishing device and high-and-low pressure CO_2 extinguishing device.



Technical Parameters:

Operating Voltage	Input voltage：AC220V±20%,50Hz Input power：≤120W Backup battery：DC24V 7.0AH（Consist of two DC12V 7.0Ah in series battery），totally enclosed maintenance free battery
Operating current	Output DC24V Continuous operation：6A Short term（less than 3 seconds）：8A
Length of loop	Two-wire bus ≤1000 meters
Capacity	Detector loops: 2, connect to conventional smoke detector and heat detector separately; Quantity of detectors for each loop ≤20 units.
Circuit alarm threshold	≤9.1V
Contact capacity of relay	All relay: 7A/24VDC
Output circuit current limitation	Electromagnetic drive：≤3A Other drive：≤1A
Material	Steel
Dimension	330×450×94mm
Mounting	Wall-mount
Operating environment	Indoors, temperature -10°C~+55°C,relative humidity ≤95%(40°C±2°C without condensation)

JB-QBL-QM200E/4

Conventional Gas Extinguishing Control Panel

The JB-QBL-QM200E/4 is a wall-mount control panel with aesthetic design and simple operation. JB-QBL-QM200E/4 and a wide range of detectors, gas releasing indicator, extinguishing status unit, sounder visual indicator, gas meter, starting gas cylinder and extinguisher cylinder groups compose the complete gas releasing system. It is ideal for computer room, library, mobile communication base station, UPS room, battery room, and diesel generator room, and other commercial and industrial premises not suitable for sprinkling systems.

Product Features:

- To connect detectors by 8 loops, and our variety of conventional smoke detectors and heat detectors apply to JB-QBL-QM200E/4.
- 4 zones arrangement available.
- It's available to preset 0-30seconds automatic delay for electromagnetic valve (electric detonator).
- To provide 4 output ports for electromagnetic drive, and support 3A (24V) starting current. Keyboard lock password protection to prevent misoperation.
- Applications: It's applied in locations where electrical fire, solid surface fire, liquid surface fire and gas fire which can be cut off gas source may occur; it also matches with cabinet-type or pipenet-type heptafluoropropane extinguishing device, mixed gas extinguishing device IG541, S- type aerosol extinguishing device and high-and-low pressure CO_2 extinguishing device.



Technical Parameters:

Operating Voltage	Input voltage: AC220V±20%, 50Hz Input power: ≤120W Backup battery: DC24V 7.0AH (Consist of two DC12V 7.0Ah in series battery), totally enclosed maintenance free battery
Operating current	Output DC24V Continuous operation: 6A Short term (less than 3 seconds): 8A
Length of loop	Two-wire bus ≤1000 meters
Capacity	Detector loops: 8, connect to conventional smoke detector and heat detector separately; Quantity of detectors for each loop ≤20 units.
Circuit alarm threshold	≤9.1V
Contact capacity of relay	All relay: 7A/24VDC
Output circuit current limitation	Electromagnetic drive: ≤3A Other drive: ≤1A
Material	Steel
Dimension	620×460×144mm
Mounting	Wall-mount
Operating environment	Indoors, temperature -10°C~+55°C,relative humidity ≤95%(40°C±2°C without condensation)

QM-ZSD-01E

Gas Releasing Indicator



Product Features:

- To use ultrahigh brightness red LED as light source with markedness, long life-span and low power consumption.
- To adopt top cover and bottom cover structure design, and it's convenient for installation, commissioning and maintenance.
- To adopt MCU control flashing and audible alarm drive with high stability.
- To issue light indication before gas releasing, and warning signs present on indicator panel to warn on-site people not to enter into gas extinguishing conservation area.
- It matches with JB-QBL-QM200 gas extinguishing control panel or JB-QBL-QM300/4 gas extinguishing control panel by direct connection.
- It's connected with JB-QBL-QM300/4 gas extinguishing control panel by KZ-953 output module.

QM-MA-01E

Manual/Auto Box



Product Features:

- To be installed outside exit of gas extinguishing conservation area, and high brightness LED displays working status.
- To adopt exclusive key design to avoid misoperation.
- It matches with JB-QBL-QM200 gas extinguishing control panel or JB-QB-QM200/4 gas extinguishing control panel.

QM-AN-01E

Emergency Release/ Abort Box



Product Features:

- To be installed outside exit of gas extinguishing conservation area, and high brightness LED displays working status.
- QM-AN-01 Emergency release/ abort box is applied to issue signal of electromagnetic valve driving manually, and releases gas by emergency release/abort box.
- To adopt exclusive key design to avoid misoperation.
- It matches with JB-QBL-QM200 gas extinguishing control panel or JB-QB-QM200/4 gas extinguishing control panel.

Reference



Mingsheng Financial Center-Beijing China



Shanghai Center-Shanghai China



Asian Games Town-Guangzhou China



CB Bank-Burma



Signature Bd.-Delhi



Congo River Hotel-Congo



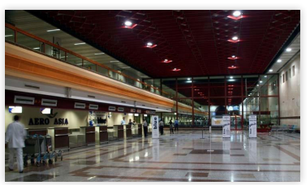
KK100 Project-Shenzhen China



Geospatial Industrial Base-Wuhan China



The largest train center in Asia-Shenzhen China



Lahore International Airport-Pakistan



Apartment of Government-Indonesia



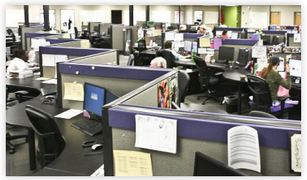
Huawei Data Center-Burma



Shopping Mall in Shiraz-Iran



Shopping Mall-Indonesia



Call center-Delhi



Oil Production Plant-Iraq



Nation Power Grid Plants -East Timor



Tariff-free Warehouse-Ghana



Namibe College-Angola



Sambala Hotel-Angola



Seazon hotel-Delhi



Garment Factory-Bengal



TUPI 3500t/d Production Line-Brazil



Awassa Industrial Park-Ethiopia