SANJIANG

2026
PRODUCT CATALOGUE



CREATE A SAFE WORLD ENJOY A SMART LIFE

V1.3/2026.5

Why SANJIANG?

SANJIANG is a trusted global manufacturer of high-performance fire detection and alarm systems.

Since 1985, we have specialized in the development of advanced addressable fire panels, detectors, gas extinguishing systems, and emergency evacuation solutions.

With certified quality, reliable supply, and global support, SANJIANG serves over 50 countries and regions with tailored fire protection systems that meet international standards including EN54 and ISO.

Backed by decades of technical expertise and efficient production, We deliver comprehensive support throughout every stage of the project, making us a trusted partner for fire protection professionals, international distributors, and system integrators.

CREATE A SAFE WORLD - ENJOY A SMART LIFE

Sales Network and Figures



50+
Countries and Regions Served Globally

3
Global Companies and Offices

300+
Service Points Covering Major Cities (Domestic and International)

1000+
Sales & Technical Support Personnel Serving Worldwide

SANJIANG Global Fire Protection Solutions

Exported to 50+ Countries

Across Asia, Europe, Africa, the Middle East, and the Americas.

20+ Key Partners & Distributors

Established strategic collaborations worldwide.

Global Technical Support

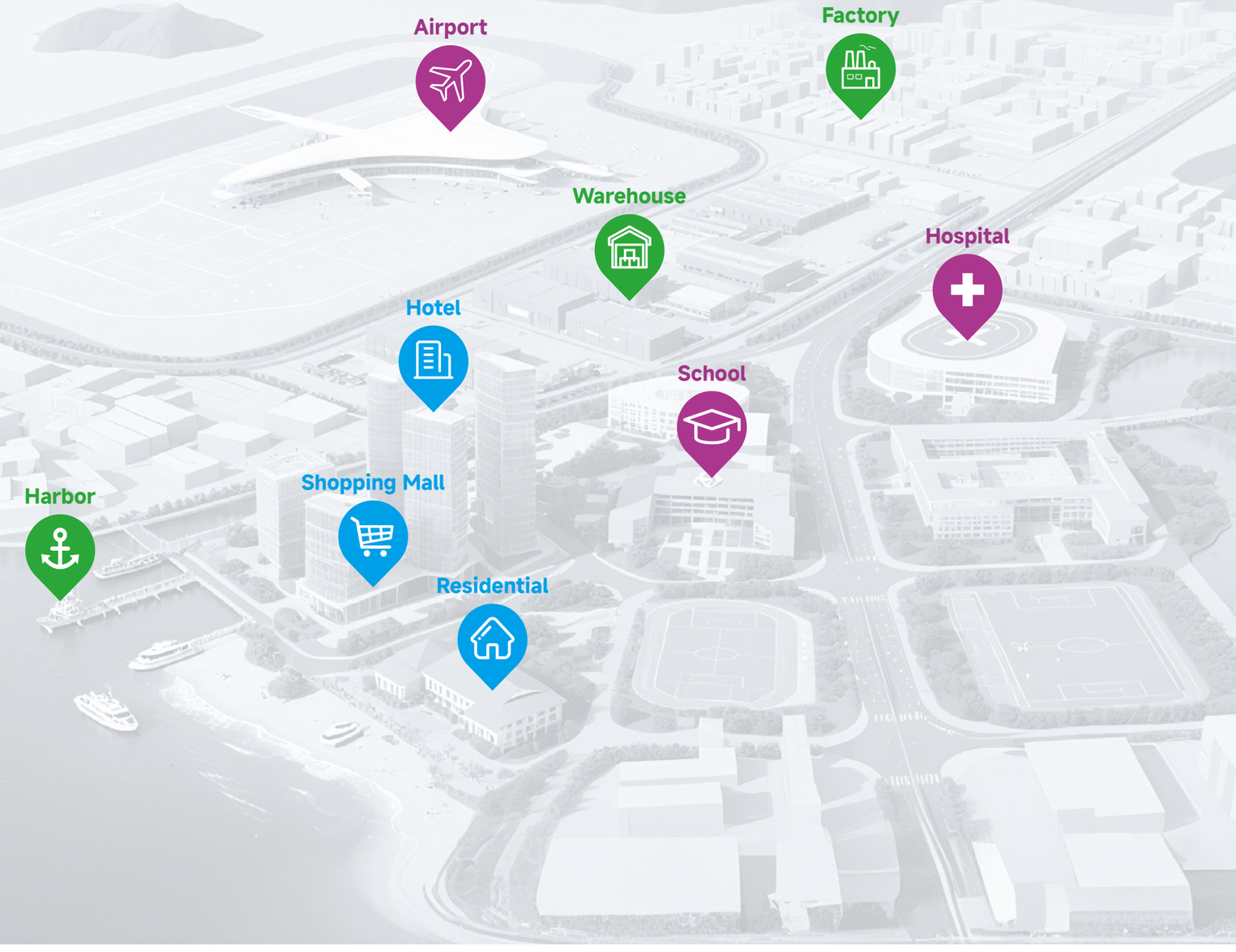
Remote diagnostics and multilingual online assistance.

Certified for Global Markets

CE, LPCB, APPLUS – Fully compliant with international standards.

OEM/ODM Expertise

Rich supply chain experience tailored for overseas clients.



Where Quality Begins

Our state-of-the-art factory ensures reliable production through full automation, digital quality control, and flexible manufacturing capabilities.

30,000+ m^2
Smart Manufacturing Base



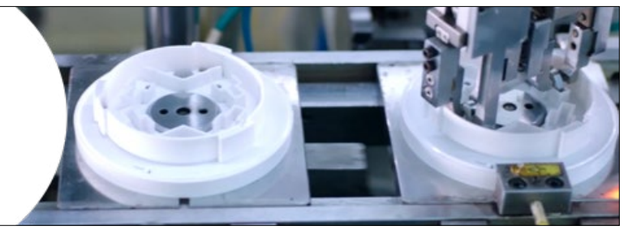
8
SMT Lines, Fully Automated



30
Intelligent Production Line



50+ million
Terminal Device Annual Capacity



200,000+
Smart Fire Alarm Control Panel Capacity



R&D Capability

Backed by a dedicated R&D team, we continuously drive product evolution with leading technologies and system integration capabilities.

40+
Years of Technical Accumulation

200+
National Patents

IPD
Integrated Product Development

200+
Engineers in R&D Team

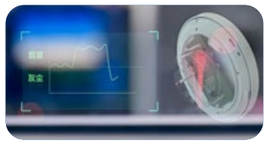
10%
Annual Revenue Invested in R&D

Core Technology

As one of the few enterprises in the industry with full-chain independent R&D, we lead the way in mastering multiple core technologies for intelligent fire protection. Our core technologies enable safer, smarter and more connected fire protection systems, ready for global applications.



Self-Developed Chip
Ensures faster response, stable operation, and long-term reliability.



Multi-Dimensional Detection
Utilizes backward light scattering and dual-path, dual-wavelength algorithms for high-precision sensing and superior environmental adaptability.



Multi-Protocol Compatibility
Enables flexible system integration and seamless data transmission.



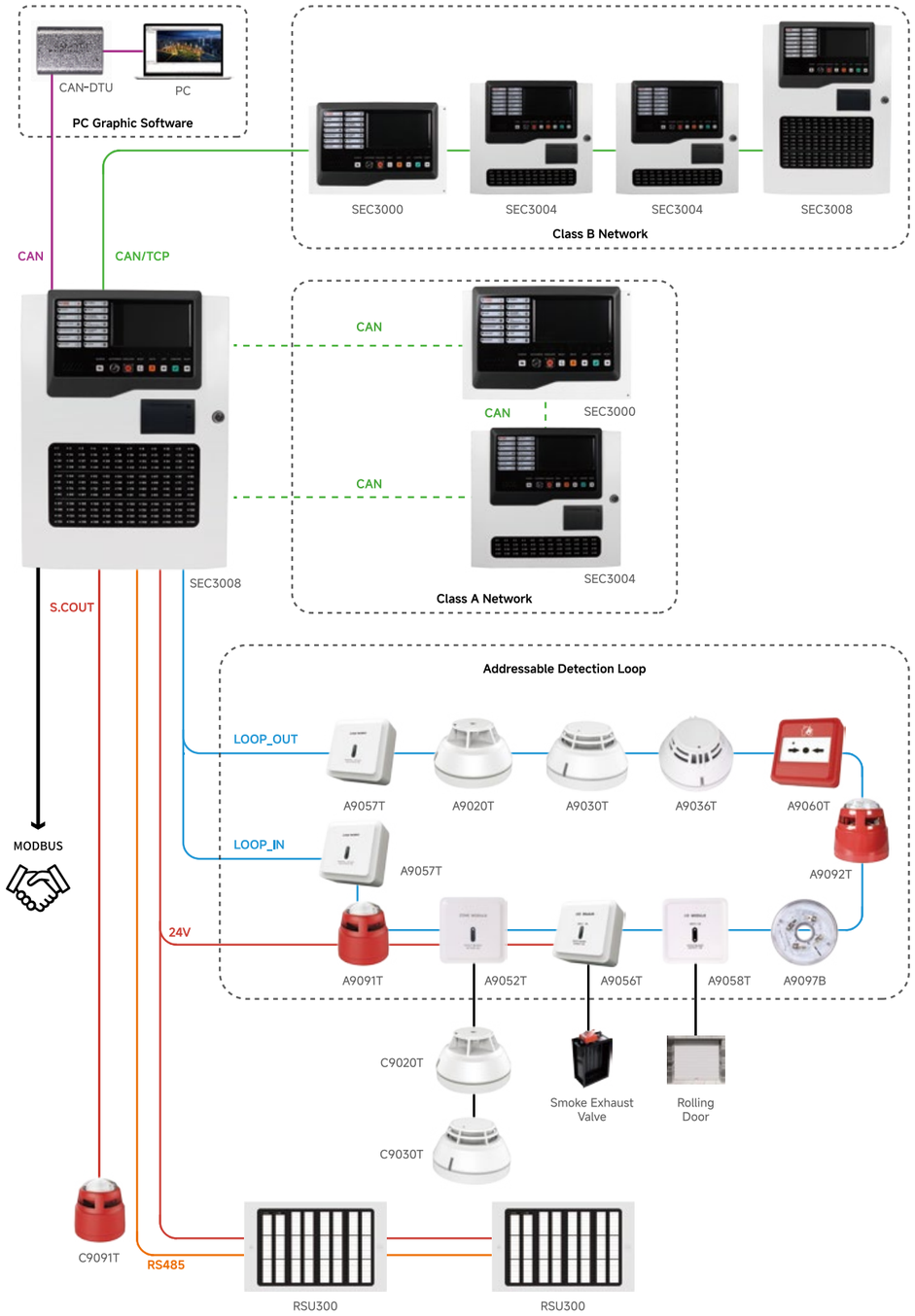
AI Cloud Computing
Bring fire prevention to the era of big data.

SANJIANG

Addressable Fire Alarm System



System Diagram





Key Highlights of the SEC3008 & SEC3004

Designed for scalable, reliable fire detection across diverse building environments.

Certified Reliability

Both models are fully certified to EN54-2 & EN54-4 by LPCB and Applus, ensuring compliance with international fire safety standards.

Redundant System Design

SEC3008 & SEC3004 incorporates a redundant control panel design to ensure system integrity in mission-critical scenarios.

7" Color Touchscreen Interface

Equipped with a 7.0-inch color LCD touchscreen (800×480 resolution) for intuitive operation and clear visual feedback.

Robust Networking Capability

CAN bus networking for up to 64 panels, and Ethernet interconnection for up to 254 panels enables system-wide integration.

Multi-Loop Support

SEC3004 supports up to 4 loops, while SEC3008 supports up to 8 loops, with 324 devices per loop, allowing flexible system expansion.

Comprehensive Event Logging

Each panel stores up to 10,000 records for alarms, faults, operations, and cause & effect logic.

Night Mode Optimization

Improved Night Mode Time Range Setting for enhanced user experience in 24/7 environments.

Massive Zone Capacity

Supports up to 5000 fire protection zones, ideal for medium to large-scale projects.

* Both models share the same software platform and peripheral compatibility, offering seamless scalability across different project sizes.

Addressable Fire Alarm Control Panel

SEC3008/2-8 Loops



Enclosure Color

White

Red

SEC3008 is SANJIANG's flagship control panel. It supports up to 8 loops, connecting up to 324 points per loop, and features a 7-inch color touchscreen with intuitive operation. With CAN bus and Ethernet networking, it allows seamless integration of up to 254 panels. Fully certified to EN54-2 and EN54-4 by LPCB and Applus, it ensures reliable fire detection, easy installation, and efficient system management.

Specifications

System Voltage	28V±0.5VDC
Supply Voltage	110/230V AC (-15%, +10%), 50Hz/60Hz
Battery	2×12V/18Ah (Standard), 2×12V/24Ah (Deep, 38Ah is alternative)
Dimension	440×590×185mm (Standard); 440×590×230mm (Deep)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)
Protection Level	IP30; Flame retardant rating V-0
Colors	White, Red

SEC3004/2-4 Loops



Enclosure Color

White

Red

SEC3004 control panel supports up to 4 loops with 324 points per loop and includes a user-friendly 7-inch color touchscreen. With CAN bus and Ethernet networking, it can be expanded and integrated across multiple panels. Certified to EN54-2 and EN54-4 by LPCB and Applus, the SEC3004 ensures dependable performance, easy configuration, and smooth daily operation.

Specifications

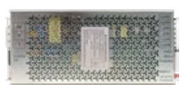
System Voltage	28V±0.5VDC
Supply Voltage	110/230V AC (-15%, +10%), 50Hz/60Hz
Battery	2×12V/12Ah
Dimension	440×410×155mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)
Protection Level	IP30; Flame retardant rating V-0
Colors	White, Red

Optional Accessories



SEC3008_HL_9000/Protocol Loop Card

This loop expansion card provides two loops that are inserted into the SEC3004/SEC3008 card slots to increase the number of loops of the panel. Supports all 9000 protocol devices. 2 analogue addressable loops. Supports up to 324 addressable devices per loop. Supports SANJIANG 9000 loop protocol. Easy installation. Compatible with SEC3004/SEC3008.



PS-A2907E/Power Supply Equipment

PS-A2907E meets EN54-4 standard, with charging temperature compensation and battery internal resistance fault detection. Individual cell voltage monitoring has undervoltage alarm and backup power undervoltage protection. This equipment has full metal jacket,is very easy to install. Supply Voltage: 110/230V AC (-15%, +10%), 50Hz/60Hz. Output Voltage: 28.4V±0.5V. Rated Output Current: 7.1A. Charging Current: 1A ±0.3A (CC Mode). Operating Environment: -10~55°C . Rh ≤ 95% (40°C ±2°C , no condensation).



SEC3008_SND/Conventional Sounder Module

Provide a class change input interface and two additional sounder output interface. A maximum of two boards can be installed on a SEC3004/SEC3008. 2 sounder outputs and 1 class change input. Compatible with SEC3004/SEC3008



SEC3008_Modbus/Communication Module

RS485 communication module, which can be connected to a remote indicate panel and can communicate with other manufacturers' products via Modbus protocol. RS485 data communication protocol. 2 interfaces, one for connecting to remote indicating panel, one for Modbus modules. Easy installation. Compatible with SEC3004/SEC3008.



SEC3008_Relay/Programmable Relay Output Module

Provide additional volt-free and active output interfaces. A maximum of two boards can be installed on an SEC3004/SEC3008. 2 active contacts and 1 passive contact outputs. Compatible with SEC3004/SEC3008.



SEC3008_COMS/CAN Class B Networking Module

This board is used for communication with other Sanjiang panels, enabling the rapid and secure transmission of a wide range of information and data, including Fire, Faults, Disable, Linkage, and more. CAN data communication protocol. Class B type wiring. Compatible with SEC3004/SEC3008.



SEC3008_COMD/CAN Class A Networking Module

This board features two relatively independent CAN interfaces, which can be used to form a ring topology network. In the event of a line fault, communication with other machines remains unaffected, greatly enhancing safety and stability. CAN data communication protocol. Class A type wiring. Compatible with SEC3004/SEC3008.



SEC3008_COME/Ethernet Networking Module

This board features two independent Ethernet interfaces.Provides faster and more stable data transmission compared to CAN protocol networking. Ethernet data communication protocol. Compatible with SEC3004/SEC3008.

Addressable Fire Alarm Control Panel

SEC3000/Repeater Panel



Key Features

- EN54-2 & EN54-4 certified.
- With 7-inch touchscreen color display to read and operate.
- With 1 fire alarm relay and 1 fault relay output.
- Up to 10,000 historical recordings (alarms, faults or operations).
- Supports upgrade via U-disk and importing or exporting data to PC.
- Networkable, up to 254 panels under Ethernet protocol or up to 60 panels under CAN protocol.
- Fully functional with Evacuate, Mute, Silence, and Reset controls, and display indications as the main control panel.

Enclosure Color

White Red

The SEC3000 Repeater panel is used as a remote indication and control panel and can communicate with the SEC3004/ SEC3008 Fire Alarm Control Panel (FACP) via a CAN or Ethernet network, The SEC3000 is fully functional and has the same display as the FACP, including evacuation/silence/resound and reset functions.

Specifications

System Voltage	DC 18.5~30V
Protection Rating	IP30
Flame Retardant Rating	V-0
Dimension	370×250×125mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)
Colors	White, Red, Gray

SEC3002/1-2 Loops



Key Features

- EN54-2 & EN54-4 certified.
- Up to 324 addresses for one loop/510 addresses for two loops.
- 32 programming zone manual control button.
- Multi-language selection.
- Intelligently monitoring detectors' condition under circumstances such as "polluted", "missing", "duplicate-programming" etc.
- 4.3-inch color screen LCD, resolution of 480*272.
- Support 254 panels under Ethernet Protocol or 20 panels under CAN Protocol.
- Software remote upgrade and Lifetime maintenance.

The SEC3002 is a powerful 1~2 loop addressable system. It supports a high number of addressable devices within a single loop, combining simplified wiring with advanced features such as full event logging and remote connectivity. With global compliance and an intuitive interface, SEC3002 offers flexible, high-performance fire protection without complexity. The purpose ofthe SEC3002 Fire Alarm Control Panel is to monitor input signals, give indications and possibly activate outputs as programmed. It is designed to comply with EN54-2 & EN54-4 with qualities of simple installation, operation and easy maintenance.

Specifications

System Voltage	DC 18.5~30V
Main Supply	AC 230V (-15%, +10%), 47~63Hz
Battery	2×12V/12~17Ah
Dimension	430×560×170mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Addressable Fire Alarm Control Panel

LEU400/Loop Expansion Unit



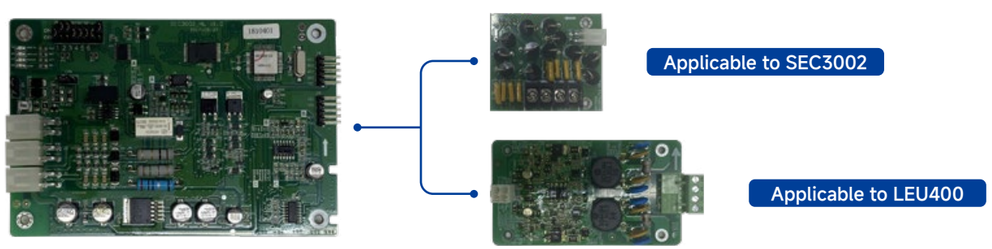
Key Features

- EN54-2 & EN54-4 certified.
- Loop type: Class A.
- 4 loops, up to 255 points for each loop.
- Work with SEC3002 Fire Alarm Control Panel.

Specifications

System Voltage	DC 24V (22~30V)
Operating Current	<300mA
Dimension	300×380×120mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 45°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Optional Accessories



SEC1000/Single Loop



Key Features

- EN54-2 & EN54-4 certified.
- 16 zone Indicators, up to 120 addresses.
- Supported loop type: class A & Class B.
- Support 60 panels under CAN Protocol.
- Multi administration levels.
- Record capacity of 1000 historical events.
- Individual Testing for Detectors/Modules.
- 4.3-inch color screen LCD with a resolution of 480*272.
- Support data import and export,data configuration via USB.

Enclosure Color

White Red

The SEC1000 is a compact, single-loop addressable fire alarm system. Easy to install and operate, it provides accurate detection and location identification, offering dependable protection with the essential benefits of addressable technology—all in an efficient, standards-compliant design. The purpose of the SEC1000 FACP is to monitor input signals, give indicatlons and possibly activate outputs as programmed. SEC1000 is designed to comply with EN54-2 & EN54-4 with quallties of simple installatlon, operatlon and easy maintenance.

Specifications

System Voltage	DC 20~28V
Main Supply	AC 110V/230V (-15%, +10%), 50~60Hz
Battery	2×12V/7Ah
Dimension	400×360×104mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 45°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Addressable Detector

SANJIANG detectors serve as the core of early fire warning, combining cutting-edge technology with exceptional quality. We are committed to delivering reliable fire detection solutions for various building types, enabling rapid response at the earliest stage of a fire. Every second counts — we help safeguard lives and property.

- LPCB/CPR/APPLUS Approval
- Remote 360° Visible LED Indicator Output
- Convenient Installation & Maintenance
- Intelligent Compensation & Fault Monitoring
- Electronic Coding & Addressing Functionality
- Real-time Data Acquisition & Processing
- Remote Indicator Output



A9020T

Addressable Heat Detector

Heat detection for precise identification of high-temperature fires, minimizing false alarms.



A9029T

Addressable Heat Detector

A9029T offers faster, more sensitive thermal detection than A9020T, upgrading from category A2 to B.



A9030T

Addressable Smoke Detector

Smoke detection for efficient detection in smoke-free or low-smoke environments.



A9036T

Addressable Smoke & Heat Detector

Dual protection with combined smoke and heat detection, offering both sensitivity and anti-interference capabilities.

A9020T

The A9020T heat fire detector is an A2 class heat detector according to EN54-5, making it suitable for industrial and civil buildings with significant heat sources like kitchens and boiler rooms. It is not suitable for environments with high smoke and low heat.

A9029T

The A9029T heat fire detector is a B class heat detector according to EN54-5, and is suitable for such industrial and civil buildings where fires produce significant heat, such as kitchens, boiler rooms, generator rooms, drying workshops, and smoking rooms. Conversely, it is not suitable for areas with a high level of smoke but low heat.

A9030T

The A9030T is a smoke fire detector according to EN54-7 and it is ideal for industrial and civil buildings like restaurants, hotels, offices, and libraries where smoke may occur during a fire but not under normal conditions. It is not suitable for areas with heavy dust, water mist, steam, oil mist, or constant smoke and places with retained smoke under normal circumstances.

A9036T

The A9036T is a multi-sensor fire detector according to EN54-5 & EN54-7 integrating smoke and heat sensing for enhanced fire detection accuracy. It not only has the performance of smoke fire detector, but also has the performance of heat detector.

Specifications	A9020T	A9029T	A9030T	A9036T
System Voltage	DC 24V (18~28V)			DC 24V (20~28V)
Alarm Current	<1.5mA (without remote indicator); <3.5mA (with remote indicator)			
Dimension (with base)	100×60mm (ϕ×H)	100×60mm (ϕ×H)	100×58mm (ϕ×H)	100×60mm (ϕ×H)
Operating Temperature	-10°C to 50°C	-10°C to 65°C	-10°C to 55°C	-10°C to 50°C
Humidity	Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)			
Certified	EN54-5	EN54-5	EN54-7	EN54-5 & EN54-7
Product Category	A2	B	-	A2R & A2S
Remote Indicator	√	√	√	√

Addressable Sounder Strobe & Base

SANJIANG's sounder strobe series is fully compliant with EN54 standards. They not only meet stringent fire protection requirements but are also adaptable to complex environments, providing comprehensive and dependable fire warning solutions for your facility.



A9091T

Addressable Sounder Strobe

- Integrated Audible & Visual Alarms: Delivers clear, synchronized alerts for rapid evacuation.
- Broad Application Versatility: Ideal for diverse public, commercial, and residential buildings, especially in low-visibility or smoky areas.
- Customizable Alerts: Offers 16 selectable tones and advanced, synchronized LED light output.



A9092T

Addressable Loop-powered Sounder Strobe

- Audible Alarm Output: Delivers a harsh audible alarm signal upon activation.
- Broad Application Versatility: Ideal for various public, commercial, and residential buildings, especially in low-visibility or smoky areas.



A9093T INDOOR

Addressable High-decibel Output Sounder Strobe



A9093G OUTDOOR

Addressable High Output (Weatherproof) Sounder Strobe

- Up to 7 selectable tones.
- Security feature included.
- Rewritable address and modes via encoder.
- Independent base for simple setup and maintenance.
- Simultaneous sound/light, or independent sound/light.
- Ultra-bright, long-life, low-power visual display.

- The A9093T delivers powerful audible and visual alerts in indoor environments, with up to 104 dB sound output.
- The A9093G is engineered for tough outdoor conditions with IP65-rated protection and operation from –25° C to +70° C.

Specifications	A9091T	A9092T	A9093T	A9093G
Power Supply	DC 24V (20~28V)	DC 24V (20~28V)	DC 24V (22~28V)	DC 24V (22~28V)
Sound Output	≥ 75dB@1m	≥ 73dB@1m	≥ 104dB@1m	≥ 95dB@1m
Flash Color and Frequency	White, 0.5Hz	Red	1~1.5Hz	1~1.5Hz
Installation Location	Indoor	Indoor	Indoor/Industrial Use	Outdoor/Harsh Environments
Protection Rating	IP21C	IP21C	IP21C	IP65
Design Structure	Compact	Compact	Robust industrial housing	Weatherproof sealed enclosure
Certifications	EN54-3, EN54-23	EN54-3	EN54-3(Type A)	EN54-3(Type B)
Installation Method	Wall/Ceiling mount	Wall/Ceiling mount	-	-
Operating Temperature	-10° C to +55° C	-10° C to +55° C	-10° C to +55° C	-25° C to +70° C



A9097B

Addressable Sounder Strobe Base

- Meets EN54-3 standards.
- Easy & Reliable Installation: Designed for convenient and reliable rotating installation.
- Striking Visual Display: Employs multiple super bright red LEDs for a highly visible display.
- Integrated Design for Efficiency: Combines the detector base and Sounder Beacon, allowing single-point connection for A9030T and A9020T detectors, saving time, installation costs, and simplifying debugging and maintenance.

Specifications

Power Supply	DC 24V (20~28V)
Sounder Output	≥ 73dB@1m
Dimension	115mm×44mm (ϕ×H) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Module



A9052T

Addressable Zone Module

EN54-18 certified, the A9052T features an LED indicator and supports both semi-flush and surface mounting. Its integrated standalone CPU enables fast signal processing, allowing connections with conventional detectors and manual call points to efficiently transmit alarm signals to the control panel.



A9056T

Addressable Input/Output module

EN54-18 certified, A9056T ensures high reliability and error detection, offering simple and dependable device addressing via a portable coder. It further provides control over critical fire linkage equipment, including smoke dampers, blow valves, and fire dampers.



A9057T

Short circuit isolator

EN54-17 certified. Low power consumption. Minimises disruption from short circuit. Fast activation response loop-powered. Isolation of short circuit and automatic recovery after removal.



A9058T

Addressable Loop-powered Input/Output module

EN54-18 certified. Built-in standalone CPU. Low power consumption. Can be connected with conventional terminals.



A9073T

Addressable Output Module

EN54-18 certified. The A9073T provides two relay output modes: Normally Open (NO) and Normally Closed (NC). It delivers output via dry contacts after activation and is designed for low power consumption, ensuring efficient performance in various control applications.

A9052T Specifications

Power Supply	DC 24V (20~28V)	Dimension	86×86×41mm (W×H×D) (with base)
Operating Current	Quiescent current: <0.5mA; Alarm current: <2mA	Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

A9056T Specifications

Power Supply	DC 24V (20~28V)	Dimension	86×86×41mm (W×H×D) (with base)
Operating Current	Quiescent current: <0.8mA; Alarm current: <5mA	Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

A9057T Specifications

Power Supply	DC 24V (16~28V)	Dimension	86×86×41mm (W×H×D) (with base)
Operating Current	Quiescent current： <3mA	Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

A9058T Specifications

Power Supply	DC 24V (18~28V)	Dimension	86×86×41mm (W×H×D) (with base)
Operating Current	Quiescent current: <0.3mA; Alarm current: <2mA	Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

A9073T Specifications

Power Supply	DC 24V (20~28V)	Dimension	86×86×46mm (W×H×D) (with base)
Operating Current	Quiescent current: <1mA; Isolation current: <4mA	Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Addressable Manual Call Point



A9060T

EN54-11 certified, the A9060T features a resettable button and supports simple, reliable addressing via a portable coder. Its stable communication technology offers high noise immunity.

Specifications

Power Supply	DC 24V (18~28V)
Operating Current	Quiescent current: <0.3mA; Alarm current: <2mA
Dimension	90×90×42mm (W×H×D) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Waterproof Cover



FHH-SG01

Sounder Strobe Cover



FHH-SAP01

Manual Call Point Cover

Optional installation. The Sounder Strobe Cover prevents water molecules from passing through while allowing the transmission of sound. There are knock-out cable entry holes on the top, bottom, and back sides to accommodate wiring from different directions.

Specifications

Protection Rating	IP66
Inlet Hole	φ20.6mm
Dimension	156×154×87mm (W×H×D)
Material	The upper cover is PC and the lower cover is ABS

Isolator Base



D9057B

EN54-17 certified. Fast response speed, and the fault point can be cut off in time. Two modes are supported: single point isolated+area isolated. LED indicator light, convenient for later maintenance.

Specifications

Power Supply	DC 24V (20~28V)
Operating Current	Quiescent current: <85uA; Isolation current: <9mA
Dimension	100×31.4mm (ϕ×H)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Isolator Module



D9057M

EN54-17 certified. Support single point isolation and zone isolation. Short-circuit isolation is possible quickly. Be used with terminals.

Specifications

Power Supply	DC 24V (20~28V)
Operating Current	Quiescent current: <85uA; Isolation current: <9mA
Dimension	45×26×17mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

4G Module



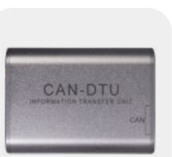
SJ-JH-GSM01

SJ-JH-GSM01 is equipped with 2G/3G/4G working standards and supports mobile phone cards and IoT cards. It can upload and send messages about faults, alarms and key actions of fire alarm control panel to users.

Specifications

Power Supply	DC 5~36V
Operating Current	Average: 22~45mA; Maximum: 350mA 12V
Dimension	86×82×25mm (W×H×D)
Storage Environment	Operating Temperature: -25°C to 85°C ; Humidity: 5% to 95% RH (No morning dew)
Standard	2G/3G/4G (Rate: 14.4 Kbps~50Mbps)
Standard Frequency Band	GSM 900/1800, CDMA Bc0, WCDMA B1/B8, TD-CDMA B34/B39, LTE FDD B1/B3B5/B8, LTE TDD B34/B38/B39/B40B41

Information Transfer Unit



CAN-DTU

Convenient to operate. Simple and beautiful software interface. Using PCGraphic software to set the baud rate. Stable and reliable communication system connection.

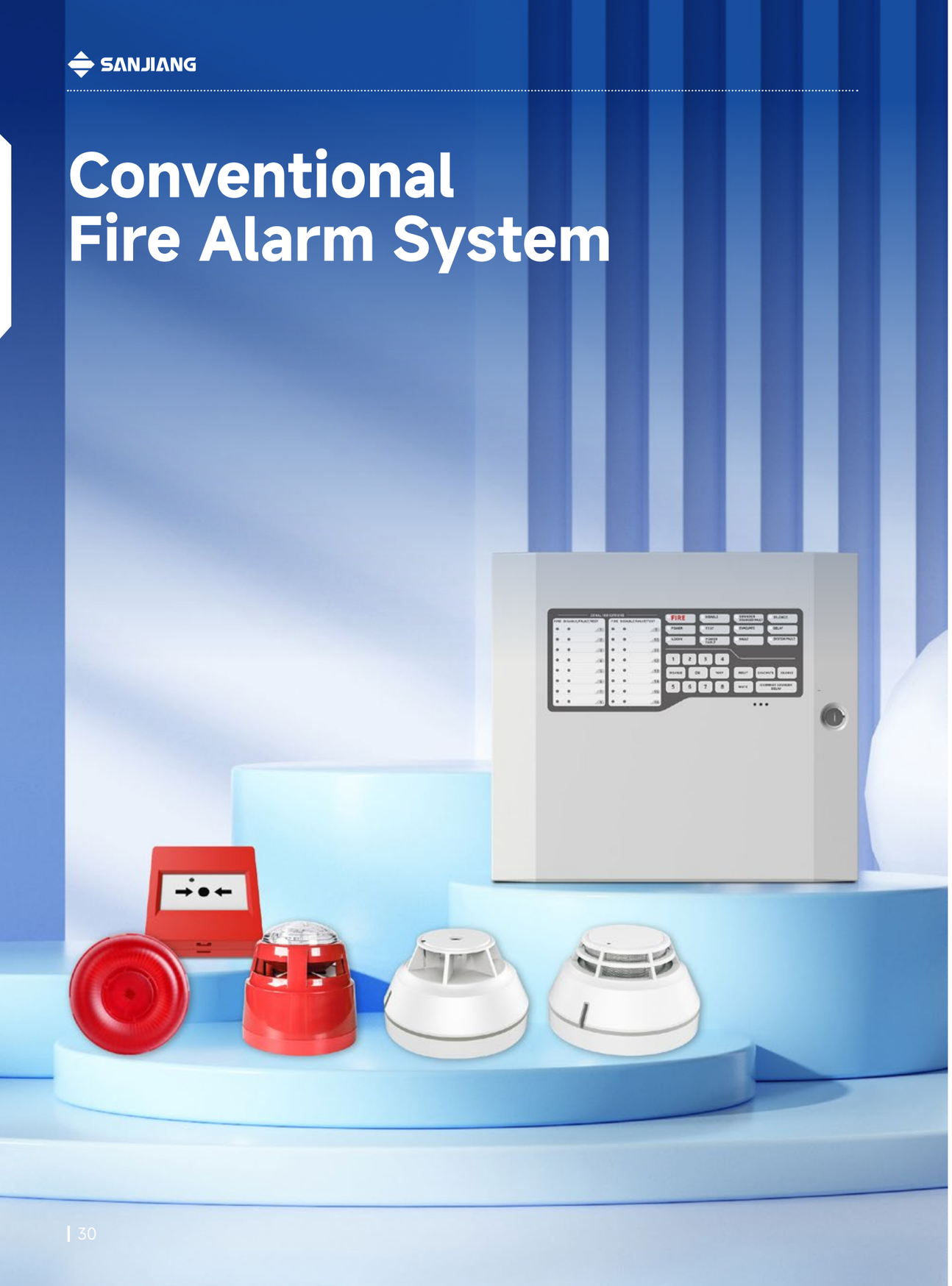
Specifications

Power Supply	USB power supply
USB Interface	USB 3.0, 2.0, 1.1
Dimension	104×70×25mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

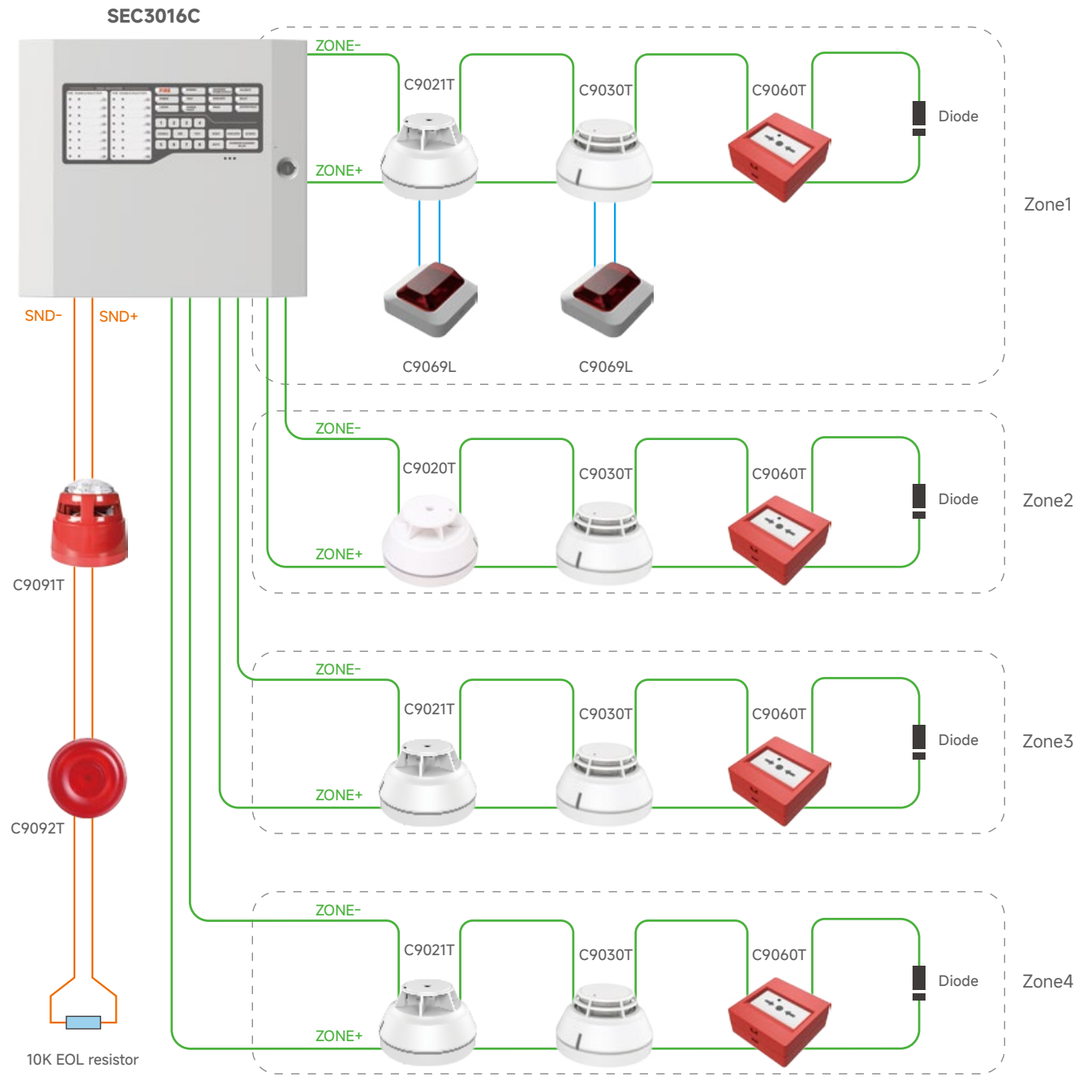


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Conventional Fire Alarm System



System Diagram



Conventional Fire Alarm System

SEC3016C



Key Features

- EN54-2 & EN54-4 complied.
- Supports 2/4/8/12/16 zones, and 32 devices per zone.
- Supports walk test function (One man test function).
- Able to disable any zones or sounder circuits.
- Supports a maximum battery capacity of 7Ah .
- Supports sounder delay option,and up to 4 sounder output circuits.
- Supports Aux 24V supplies (Sounder circuits 3 and 4) .
- Supports Repeater communication interface.

The SEC3016C is a versatile fire alarm control panel fully compliant with EN54-2&4 standards. It supports flexible configurations of 2/4/8/12/16 zones, with each zone accommodating up to 32 detectors. Additionally, the fire alarm control panel offers four sounder alarm outputs, highlighting its robust load capacity. The enclosure is made of a combination of metal and high-strength flame-retardant ABS material, ensuring reliability and enhanced safety while minimizing secondary fire risks. Featuring a simplified two-wire connection design, the SEC3016C significantly reduces wiring complexity, making it ideal for small to medium-sized applications.

Specifications

System Voltage	DC 26.5V~28.5V±0.5V
Supply Voltage	AC 110V/230V (-15%, +10%), 50-60Hz
Battery	2×12V/7Ah
Dimension	380×340×100mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Conventional Detector

- EN54 certified.
- Modular structure with upper and lower casing design for easy installation, debugging, and maintenance.
- Two-bus, non-polarity wiring system ensures stable connection and simplified setup.



C9030T

Conventional Smoke Detector

Integrates a single-chip processor to handle historical data (up to 144 points) with curve tracing, and supports drift compensation for temperature, humidity, and dust.



C9021T

Conventional Heat Detector

Focused on accurate ambient temperature detection, suitable for protected areas.



C9020T

Conventional Heat Detector

Equipped with MCU, supports real-time temperature sensing for on-site conditions.

Specifications	C9030T	C9021T	C9020T
System Voltage	DC 24V (20~28V)	DC 24V (18V~30V)	DC 24V (18~30V)
Operating Current	Quiescent current: <80uA; Alarm current: <25mA	Quiescent current<50uA; Alarm current: 1mA~20mA	Quiescent current: <50uA; Alarm current: <20mA
Dimension	100×46mm (ϕ×H) (with base)	100×60mm (ϕ×H) (with base)	100×60mm (ϕ×H) (with base)
Operating Temperature	-10°C to 55°C	-10°C to 50°C	-10°C to 50°C
Remote Indicator	√	√	-
Product Category	-	A2	A2R & A2S
Heat Detection Type	-	Fixed Temperature	Rate of Rise & Fixed Temperature
Humidity	0% to 95% RH (Non-condensing at 40°C ±2°C)		

Conventional Sounder Strobe & Base



C9091T

Conventional Sounder Strobe

- EN54-3 & EN54-23 certified.
- Providing 16 tones.
- Sound and light synchronized output.
- Highly efficient LED technology and specially designed lens.



C9092T

Conventional Sounder Strobe

- EN54-3 (Type A-indoor) certified.
- Simple and convenient for installation, commissioning and maintenance.
- High brightness, long life, low power consumption.
- With up to 7 tone modes, with anti-tamper function.



C9097B

Conventional Sounder Base

- EN54-3 certified.
- Combines the sounder function to detector base.
- Work with smoke detector or heat detector.
- External DC 24V for power supply.

Specifications	C9091T	C9092T	C9097B
Power Supply	DC 24V (20~28V)	DC 24V (20~28V)	DC 24V (20~28V)
Sound Output	⩾ 75dB@1m	⩾ 90dB(A)@1m (Tone1@90°)	86dB(A)@1m
Installation Location	Indoor	Indoor	-
Protection Rating	IP21C	IP21C	IP21C
Certifications	EN54-3 & EN54-23	EN54-3	-
Installation Method	Wall / Ceiling mount	Ceiling mount	-
Operating Temperature	-10° C to +55° C	-10° C to +55° C	-10° C to +55° C

Conventional Manual Call Point





C9060T

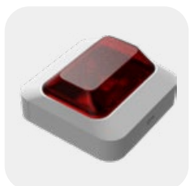
- EN54-11 certified.
- Re-settable operating element.
- Non-polarity, two-cable connection for easy installation and maintenance.

An optional transparent protective cover can be added as needed. The cover prevents accidental activation and protects the manual call point button.

Specifications

Power Supply	DC 24V (20~28V)
Operating Current	Quiescent current=0mA; Alarm current<25mA
Protection Rating	IP30
Dimension	90×90×42mm (W×H×D) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Remote Indicator



C9069L

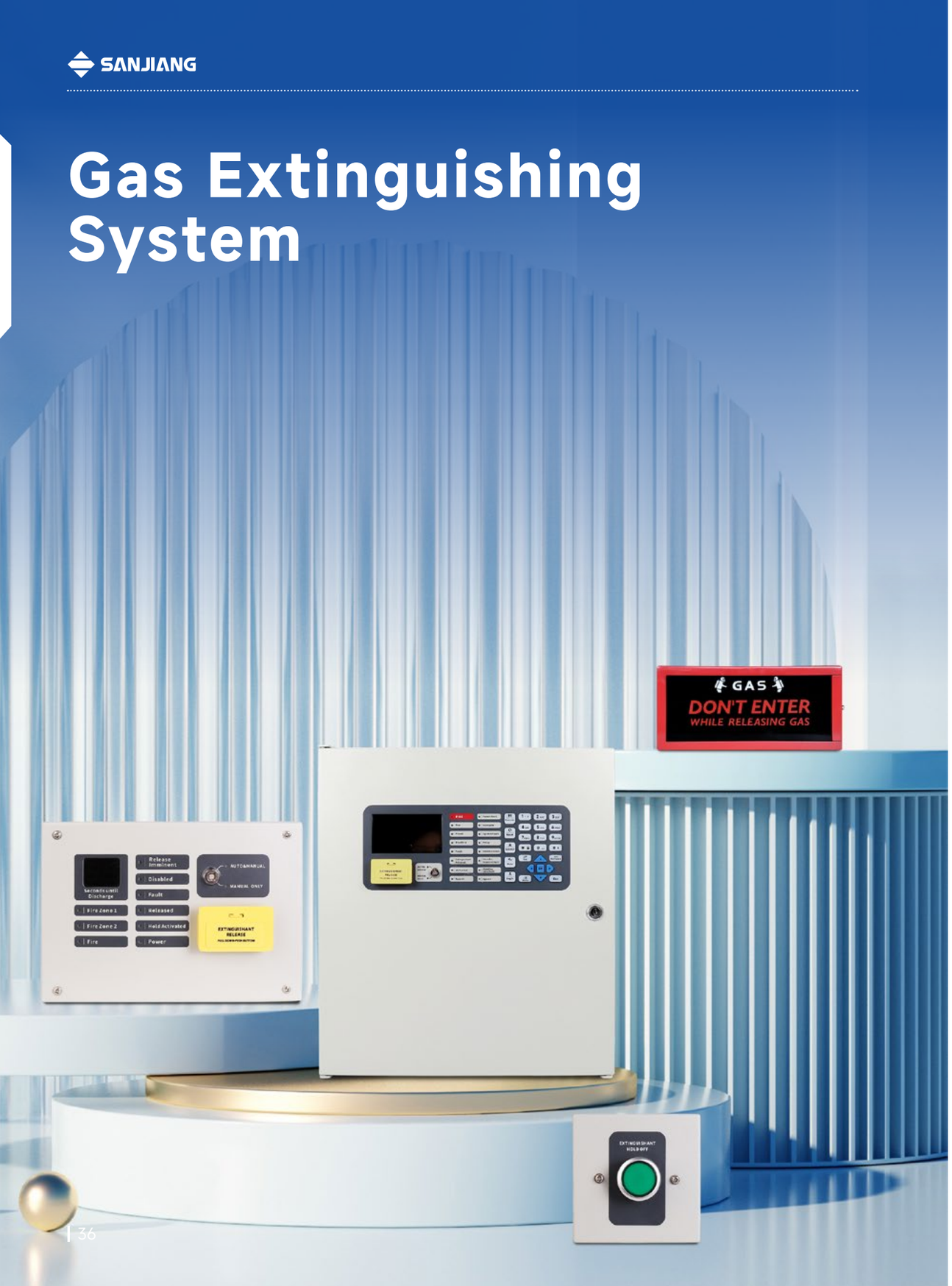
- Designed with an upper cover and a lower cover, simple and convenient maintenance.
- Non-polarity, two-cable connection for easy installation and maintenance.
- Optional mounting back plate (need order separately).

Specifications

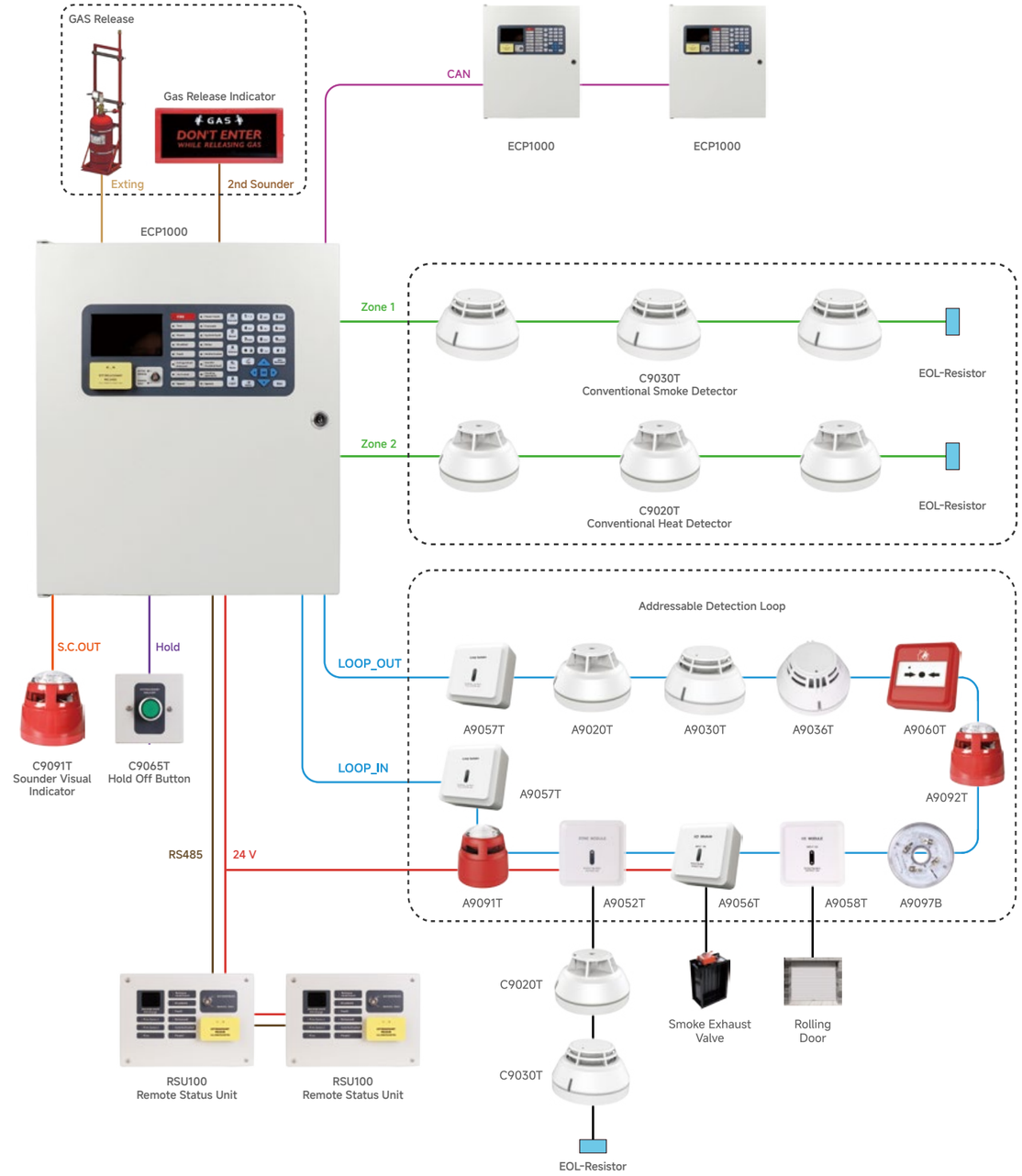
Power Supply	DC 5V (4V~5V)
Operating Current	Quiescent current=0mA; Alarm current: 1mA~30mA
Protection Rating	IP30
Dimension	64×64×30mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

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Gas Extinguishing System



System Diagram



Gas Extinguishing Control Panel

ECP1000



Key Features

- EN12094-1, EN54-2 & EN54-4 certified.
- 200 addresses for single loop.
- 2 conventional zones (Supports 32 conventional detectors per zone).
- 4.3-inch color LCD display, providing clearer status indication.
- Indicates with a countdown before the gas begins to be released.
- Support data import and export, data configuration with USB.
- Fire alarm cause & effect and configuraiton can be Programmed on the control panel or PC-set.
- Class A and Class B. Programmed on the control panel or PC-set.
- Networkable, support 60 panels under CAN Protocol or 254 panels under Ethernet Protocol, support 7 RSU100 under RS485 Protocol.
- Support modbus public protocol (by Rs485).

ECP1000 is an integrated fire alarm and gas extinguishing control panel designed inaccordance with EN54-2 & EN54-4 and EN 12094-1 standards. it includes fire detection function, and at the same time, after detecting a fire, it can automatically or manually start the gas release to extinguish the fire in the environment.

Specifications

Power Supply	AC 110V/230V, 50-60Hz
Operating Current	S.C.OUT (+, -) Max. output current 500mA
Battery	2×12V/7Ah
Dimension	410×460×92mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 45°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Loop cards and networking modules are available as optional accessories for the ECP1000 panel; not included in the standard configuration and can be selected based on project requirements.

- Networking Card: SEC1000_COM
- Loop Card: ECP1000_HL_EPC

Remote Status Unit



RSU100

- EN12094-1 certified.
- With robust and steel enclosure.
- The device address can be set easily.
- Can get a loud alarm tone with the 24V buzzer.
- Networkable, up to 7 RSU100 per extinguishing panel (RS-485 Protocol).
- Optional auto/manual key switches and manual release push-buttons.
- A countdown is displayed in the form of a digital tube before the gas is released.
- Provide LED indicator of system status.
- Easy installation with four-wire connection.
- Communication distance is up to 1200 meters.

Specifications

Power Supply	DC 24V (21~30V)
Operating Current	0.02A
Protection Rating	IP30
Dimension	200×140×50mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 45°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Addressable Heat Detector



A9020T

The A9020T heat fire detector is an A2 class heat detector according to EN54-5, making it suitable for industrial and civil buildings with significant heat sources like kitchens and boiler rooms. It is not suitable for environments with high smoke and low heat.

Specifications

System Voltage	DC 24V (18~28V)
Operating Current	<1.5mA (without remote indicator); <3.5mA (with remote indicator)
Dimension	100×60mm (ϕ×H) (with base)
Operating Environment	Operating Temperature: -10°C to 50°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Addressable Smoke Detector



A9030T

The A9030T is a smoke fire detector according to EN54-7 and it is ideal for industrial and civil buildings like restaurants, hotels, offices, and libraries where smoke may occur during a fire but not under normal conditions. It is not suitable for areas with heavy dust, water mist, steam, oil mist, or constant smoke and places with retained smoke under normal circumstances.

Specifications

System Voltage	DC 24V (18~28V)
Operating Current	<1.5mA (without remote indicator); <3.5mA (with remote indicator)
Dimension	100×58mm (ϕ×H) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Addressable Sounder Strobe



A9091T

- Integrated Audible & Visual Alarms: Delivers clear, synchronized alerts for rapid evacuation.
- Broad Application Versatility: Ideal for diverse public, commercial, and residential buildings, especially in low-visibility or smoky areas.
- Customizable Alerts: Offers 16 selectable tones and advanced, synchronized LED light output.

Specifications

Power Supply	DC 24V (20~28V)	Certifications	EN54-3 & EN54-23
Sound Output	≥ 75dB@1m	Installation Method	Wall / Ceiling mount
Installation Location	Indoor	Operating Temperature	-10° C to +55° C
Protection Rating	IP21C	Design Structure	Compact

Addressable Manual Call Point



A9060T

EN54-11 certified, the A9060T features a resettable button and supports simple, reliable addressing via a portable coder. Its stable communication technology offers high noise immunity.

Specifications

Power Supply	DC 24V (18~28V)
Operating Current	Quiescent current: <0.3mA; Alarm current: <2mA
Dimension	90×90×42mm (W×H×D) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Conventional Heat Detector



C9020T

- EN54 certified.
- Modular structure with upper and lower casing design for easy installation, debugging, and maintenance.
- Two-bus, non-polarity wiring system ensures stable connection and simplified setup.

Specifications

System Voltage	DC 24V (18~30V)
Operating Current	Quiescent current: <50uA; Alarm current: <20mA
Dimension	100×60mm (ϕ×H) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Conventional Smoke Detector



C9030T

- EN54 certified.
- Modular structure with upper and lower casing design for easy installation, debugging, and maintenance.
- Two-bus, non-polarity wiring system ensures stable connection and simplified setup.

Specifications

System Voltage	DC 24V (20~28V)
Operating Current	Quiescent current: <80uA; Alarm current: <25mA
Dimension	100×46mm (ϕ×H) (with base)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Conventional Sounder Strobe



C9091T

- EN54-3 & EN54-23 certified.
- Providing 16 tones.
- Sound and light synchronized output.
- Highly efficient LED technology and specially designed lens.

Specifications

Power Supply	DC 24V (20~28V)	Certifications	EN54-3 & EN54-23
Sound Output	≥ 75dB@1m	Installation Method	Wall / Ceiling mount
Installation Location	Indoor	Operating Temperature	-10° C to +55° C
Protection Rating	IP21C	-	-

Gas Releasing Indicator



QM-ZSD-01E

EN12094-1 certified. Conventional design without address,easy to install. Ultra-bright display with low power consumption. Easy installation and maintenance (The cover structural design). Low current consumption and long lifespan.

Specifications

Power Supply	DC 18~24V
Trigger Current	≤ 150mA
Dimension	140×111×35mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Hold Off Button



C9065T

EN12094-1 certified. Shrouded push-button to prevent inadvertent operation. Compatible with ECP1000 Panel. Robust and steel enclosure. The button color is optional (red or green).

Specifications

Trigger Resistor	10K, 1W
Protection Rating	IP30
Dimension	90×90×70mm (W×H×D)
Operating Environment	Operating Temperature: -10°C to 55°C Humidity: 0% to 95% RH (Non-condensing at 40°C ±2°C)

Project Case

Transportation & Infrastructure



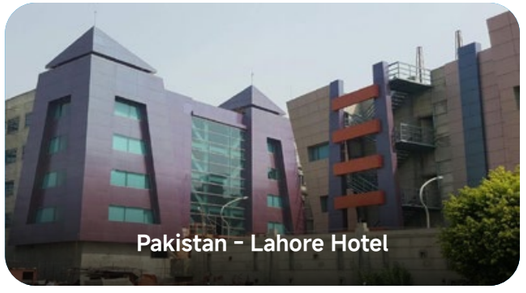
Pakistan - International Airport


Malaysia - Airport

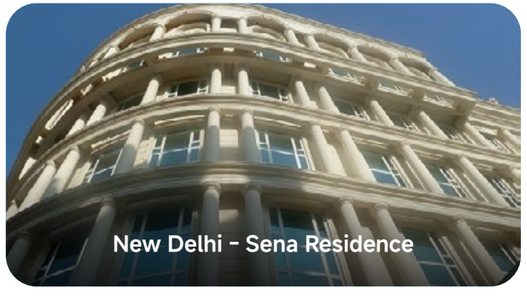

Sri Lanka - Railway Station

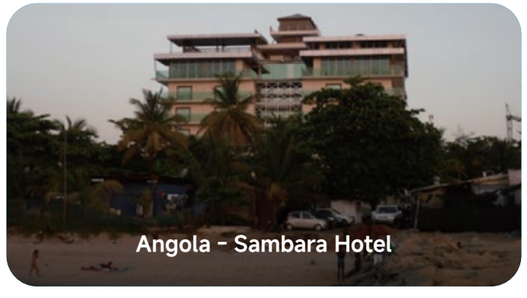

East Timor - State Grid Power Plant

Hospitality & Residential


Pakistan - Lahore Hotel


Congo - Fleuve Congo Hotel


New Delhi - Sena Residence


Angola - Sambara Hotel

Commercial & Industrial


Myanmar - Data Center


Malaysia - Forest City



Myanmar - CB Bank


Vietnam - Huangjiang Building


Vietnam - Virginia Underwear Factory


Ethiopia - Hawassa Industrial Park

Education & Entertainment


Vietnam - Yazhuang Amusement Park


Angola - Namibe College

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