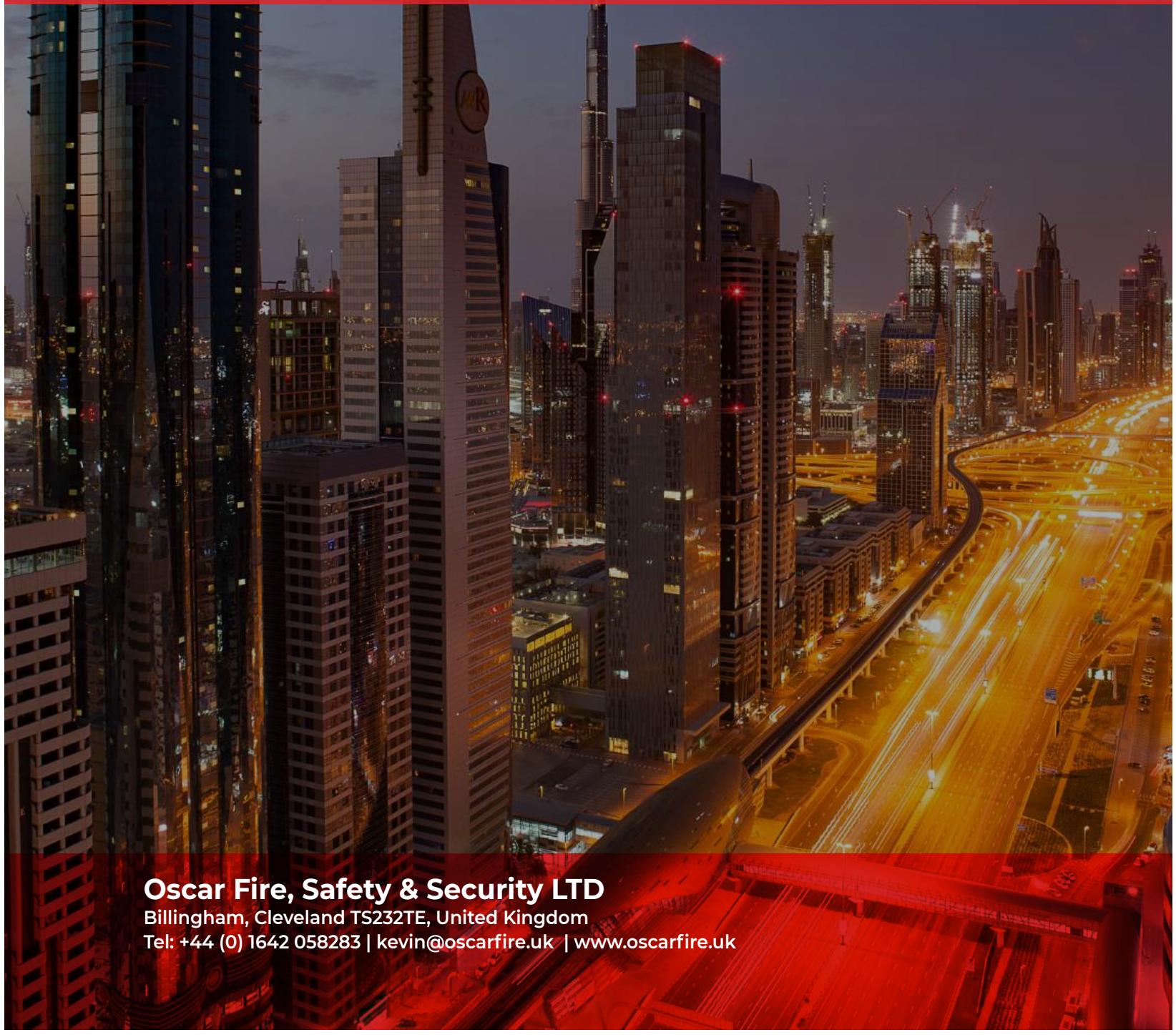




SMART DETECTION SYSTEMS



Fire Alarm System



Oscar Fire, Safety & Security LTD

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EN-54 Addressable Detectors

Addressable Smoke Detector

SDS9030A

Product Features:

- Compensates for temperature, humidity, and dust drift, and checks sensor faults.
- Non-polarity, two-wire bus for easy installation and maintenance.
- Includes Remote Indicator output and patented smoke chamber for reduced alarms.
- Simple device addressing with a portable coder.
- Single LED with 360° viewing.
- Suited for environments with rapid temperature changes, as well as dirty or smoky conditions.
- Comply with EN54-7, Certified by LPCB



Addressable Heat Detector

SDS9020A

Product Features:

- Ensure temperature compensation and inspect sensor faults.
- Convenient installation and maintenance with non-polarity, two-wire bus connection.
- Remote Indicator output included.
- Streamlined device addressing via portable coder.
- 360° viewing with a single LED.
- Well-suited for warehouses, loading bays, and underground carparks.
- Ideal for dirty or smoky environments.
- Unaffected by wind or atmospheric pressure.
- Comply with EN54-5, Certified by LPCB



Addressable Smoke & Heat Detector

SDS9036A

Product Features:

- Versatile multi-application sensor combining smoke and heat detection.
- Ensures compensation for temperature, humidity, and dust accumulation drift, with sensor fault inspection.
- Convenient installation and maintenance via non-polarity, two-wire bus connection.
- Includes Remote Indicator output and a patented smoke chamber for reduced fault alarms.
- Streamlined device addressing using a portable coder.
- Single LED with 360° viewing.
- Well-suited for various environments like hotels, hospitals, and schools.
- Remains unaffected by wind or atmospheric pressure.
- Comply with EN54-5 & EN54-7, Certified by LPCB



Addressable Detector Base

SDS12

To be base used with the Addressable Smoke Detector(SDS9030A),
Addressable Heat Detector(SDS9020A) & Addressable Smoke & Heat
Detector (SDS9036A) with LPCB Approvals.



FIRE ALARM PANELS

SDS1000/addressable Fire Alarm Control Mini Panel

Product Features:

- Single loop system with 120 points and 16 zone indicators.
- Convenient data/configuration import/export through the USB port.
- Network capability up to 20 panels through CAN connection.
- Easy cause and effect settings for fire alarms on both the control panel and PC.
- Comply with EN54-2/EN54-4, Certified by LPCB



SDS3002/Addressable 1 Loop Fire Alarm Control Panel

Product Features:

- Single loop system with 324 points and 32 zone indicators.
- 4.3' color screen LCD, resolution of 480x272 pixel
- Optional integral printer.
- Standalone programmable conventional sounder circuit output.
- Easy fire alarm cause and effect settings on the control panel and PC.
- Individual detector/module testing supported.
- Import/export data/configuration via USB port.
- Hierarchy management with three access levels.
- Network up to 255 panels (Ethernet connection) or 60 panels (CAN connection).
- Comply with EN54-2/EN54-4, Certified by LPCB & CE



SDS200A/Addressable 2 Loop Fire Alarm Control Panel

Product Features:

- 2 loops(510 points)
- 32 zone indicators
- Integral printer optional
- 4.3' color screen LCD, resolution of 480x272 pixel
- A standalone programmable conventional sounder circuit output
- Fire alarm cause and effect settings can be easily performed on the control panel and PC-set
- Support the detector/module test individually
- Support for importing and exporting data/configuration through USB port
- Hierarchy management with three access levels
- Network up to 510 panels (Ethernet connection) or 60 panels (CAN connection).
- Comply with EN54-2/EN54-4, Certified by APPLUS & CE



FIRE ALARM PANELS

SDS200A/Addressable 4 Loop Fire Alarm Control Panel

Product Features:

- 4 loops(1020 points)
- 32 zone indicators
- Integral printer optional
- 4.3' color screen LCD, resolution of 480x272 pixel
- A standalone programmable conventional sounder circuit output
- Fire alarm cause and effect settings can be easily performed on the control panel and PC-set
- Support the detector/module test individually
- Support for importing and exporting data/configuration through USB port
- Hierarchy management with three access levels
- Network up to 1020 panels (Ethernet connection) or 60 panels (CAN connection).
- Comply with EN54-2/EN54-4, Certified by APPLUS & CE



- 2 loop control panel
- 1 expansion panel
- 2 loop cards



+



+



SDS200A/Addressable 6 Loop Fire Alarm Control Panel

Product Features:

- 6 loops(1530 points)
- 32 zone indicators
- Integral printer optional
- 4.3' color screen LCD, resolution of 480x272 pixel
- A standalone programmable conventional sounder circuit output
- Fire alarm cause and effect settings can be easily performed on the control panel and PC-set
- Support the detector/module test individually
- Support for importing and exporting data/configuration through USB port
- Hierarchy management with three access levels
- Network up to 1530 panels (Ethernet connection) or 60 panels (CAN connection).
- Comply with EN54-2/EN54-4, Certified by APPLUS & CE



- 2 loop control panel
- 1 expansion panel
- 4 loop cards



+



+



Accessories

SDS-L4/Loop Expansion Unit

Product Features

- EN54-2 & EN54-4 Approved, Applus & CE certified
- Up to 4 loops
- 255 points per loop
- Compatible panel : SDS200A



SEC3002-HL+FL2

Product Features

- Loop Card Purpose:
A loop card is a key component in a system that connects and manages devices, like smoke detectors, in a smart way.
- Capacity and Efficiency:
This particular loop card is designed for a single loop, capable of handling up to 255 devices. This means it can efficiently keep track of various devices individually, enhancing the system's accuracy in detecting and responding to fires.



SDS-RP-9082/Repeater Panel

Product Features:

- With a stable and reliable communication of RS485 bus
- Maximum length of the bus is over 1,000 meters
- Easy to operate, easy to install
- Beautiful and elegant appearance
- Compatible panel: SDS3002, SDS200A



Technical Parameters:

- Voltage:DC 24V±20%
- Current:monitor state ≤ 32mA, alarm state ≤ 66mA
- Standard:GB 17429-2011 《Fire Indicating Panel》
- Capacity:single fire indicating panel can display up to 99 pieces of information
- Wiring system: five-wire system, power cord (+24V, GND), 485 bus (A, B), PE line(地).
- Operating environment:

Version:504600180308

indoor;

temperature:-10°C~+50°C (14°F ~ 122°F);

relative humidity:≤95% RH (40°C, non-condensing);

- Dimensions:210.0mmx150.0mmx33.5mm

- Weight:0.5KG

Addressable Manual Call Point

Addressable Manual Call Point

SDS9060A

Product Features:

- LED for operational confirmation.
- Can be semi-flush or surface mounted.
- Optional waterproof Protection Cover FHH-SAP01.
- Resettable operating element with ergonomic reset key.
- Streamlined device addressing with a portable coder.
- Stable communication with high noise immunity.
- Non-polarity, two-wire bus connection for easy installation and maintenance.
- Passive output contacts designed to directly control external equipment via an intermediate relay.
- Comply with EN54-11, Certified by LPCB

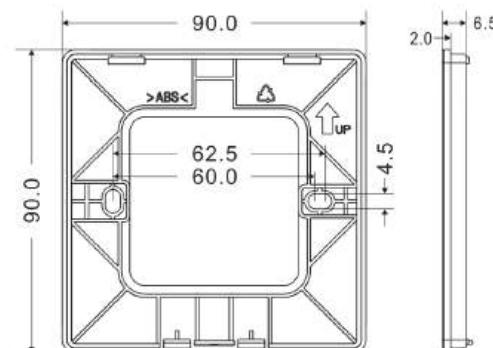


Addressable Manual Call Point Back Box

SDS-9060-BB

Product Features:

SDS9060A should comply with all local codes, NFPA70 National Electrical Code, BS5389 and EN54. Shown in Figure 2, the first one embedded box buried in the wall where the SDS9060A and then fixed to the base of the embedded box. Base dimensions of 90mm x 90mm x 6.5mm (Length x width x height), mounting hole diameter Ø5mm, fixing hole spacing is 60mm ~ 62.5mm, line pipe from the base lower penetration into the line shown in Figure.



Weatherproof Box

SDS-9060-WB

Weatherproof box for Manual Call Point

- Protection from the Elements
- Durability
- Prevention of Tampering and Vandalism
- Compliance with Regulations
- Reliability during Emergencies



Addressable Sounder Strobe

Addressable Loop-powered Sounder Strobe

SDS9092A

Product Features:

- Loop-powered for efficiency.
- Mountable on both walls and ceilings.
- Synchronized flashing LED on sounder visual indicators.
- Streamlined device addressing through a portable coder.
- Ideal for general signaling and fire applications.
- Patented innovative design features incorporated into products.
- Non-polarity, two-wire bus connection for convenient installation and maintenance.
- Comply with EN54-3, Certified by LPCB



Addressable And Conventional Sounder Flasher Base

SDS91K

Product Features:

Use two M4 screws to fix the SDS91K base via the two elliptic screw holes, then connect the bus cables with the terminal 1&3, and connect the DC24V power cables with the terminal 2&4 (2 connected with positive, and 4 with negative. 1.5mm² or above fire cable for the power input is recommended.), finally twist the main body onto the base.



Weatherproof Box

SDS-9092WB

Weatherproof Box Deep Base for Sounder Strobe

- Protection from Environmental Elements
- Durability
- Secure Housing
- Mounting and Installation
- Compliance with Regulations
- Integration with Sounder Strobe Units



Addressable Module

Addressable Input/output Module

SDS9056A

Product Features:

- Mountable semi-flush or on surfaces.
- Streamlined device addressing via portable coder.
- Single LED with 360° viewing.
- Fast activation response.
- Equipped with a built-in microprocessor and sampling technology.
- Ensures high reliability and error detection.
- Low power consumption.
- Stable communication technique with high noise immunity.
- Comply with EN54-18, Certified by LPCB



Addressable Input/output Module Base

SDS56

Suitable for Only SDS9056A



Loop-Powered I/O Module

SDS9058A

Product Features:

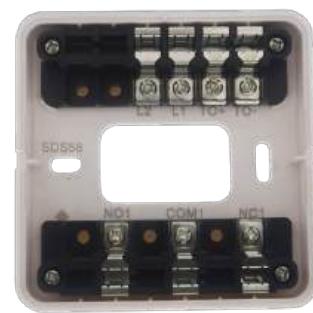
- Non-polarity, two-wire bus connection ensures convenient installation and maintenance
- Suitable for semi-flush or surface mounting
- Simple and reliable device addressing via portable coder
- Single fire LED – 360° viewing
- Fast Activation Response
- Built-in microprocessor and sampling technology
- Provide high reliability and error detection
- Low Power Consumption
- Loop-powered
- Stable communication technique with high noise immunity
- Comply with EN54-18, Certified by LPCB



Loop Powered I/O Module Base

SDS58

Suitable for Only SDS9058A



Addressable Module & Isolator

Addressable Zone Module

SDS9052A

Product Features:

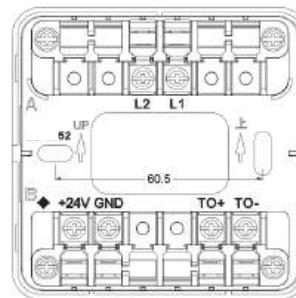
- Single LED with 360° viewing.
- Supports up to 30 conventional detectors.
- Utilizes analogue addressable communications.
- Suitable for semi-flush or surface mounting.
- Streamlined device addressing via portable coder.
- Stable communication technique with high noise immunity.
- Non-polarity, two-wire bus connection ensures convenient installation and maintenance.
- Comply with EN54-18, Certified by LPCB



Addressable Zone Module Base

SDS52

Suitable for Only SDS9052A



Short-circuit Isolator

SDS9057A

Product Features:

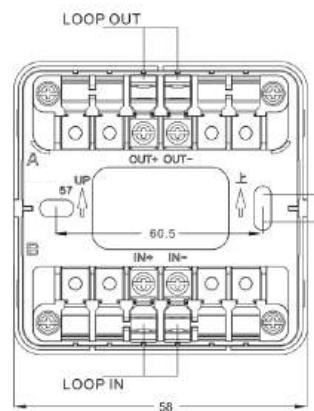
- Automatically restores after short circuit clearance, minimizing disruption.
- Mountable semi-flush or on surfaces.
- Single LED with 360° viewing.
- Fast activation response, loop-powered.
- Low power consumption.
- Stable communication technique with high noise immunity.
- Comply with EN54-17, Certified by LPCB



Short-circuit Isolator Base

SDS57

Suitable for Only SDS9057A



Conventional Devices

Conventional Smoke Detector

SDS9030C

Product Features:

- Supports compensation for temperature, humidity, and dust accumulation drift, along with sensor fault inspection.
- Real-time processing of sampling data with the built-in MCU.
- Patented smoke chamber design reduces fault alarms.
- Single LED with 360° viewing.
- Well-suited for environments with rapid temperature fluctuations.
- Ideal for areas that are typically dirty or smoky under normal conditions.
- Comply with EN54-7, Certified by LPCB



Conventional Heat Detector

SDS9020C

Product Features:

- Supports temperature compensation and sensor fault inspection.
- Real-time processing of sampling data with the built-in MCU.
- Single LED with 360° viewing.
- Well-suited for warehouses, loading bays, and underground carparks.
- Ideal for environments that are typically dirty or smoky.
- Unaffected by wind or atmospheric pressure.
- Comply with EN54-5 , Certified by LPCB



Conventional Optical Smoke Detector Base

SDS12K

To be base used with the Conventional Heat Detector (SDS9030C), Conventional Smoke Detector (SDS9020C), detectors with LPCB Approvals.



Conventional Devices

Conventional Sounder Strobe

SDS9091C

Product Features:

- Offers 16 tones.
- Mountable on walls and ceilings.
- Synchronized flashing LED on sounder visual indicators.
- Ideal for general signaling and fire use.
- Low current consumption.
- Easy installation.
- Products feature patented innovative design features.
- Comply with EN54-3 & EN54-2, Certified by LPCB



Addressable And Conventional Sounder Flasher Base

SDS91K

Product Features:

Use two M4 screws to fix the SDS91K base via the two elliptic screw holes, then connect the bus cables with the terminal 1&3, and connect the DC24V power cables with the terminal 2&4 (2 connected with positive, and 4 with negative). 1.5mm² or above fire cable for the power input is recommended.), finally twist the main body onto the base.



Weatherproof Box

SDS-9092WB

Weatherproof Box Deep Base for Sounder Strobe

- Protection from Environmental Elements
- Durability
- Secure Housing
- Mounting and Installation
- Compliance with Regulations
- Integration with Sounder Strobe Units



Accessories

Addressable Sounder Strobe Base

SDS9097A

Product Features:

- Loop-powered for efficiency.
- Ideal for general signaling and fire applications.
- Synchronized flashing LED on sounder strobe base.
- Streamlined device addressing with a portable coder.
- Locking feature prevents unauthorized detector removal.
- Suitable for smoke detectors, heat detectors, and multi-sensor detectors.
- Premium and standard offerings provide a flexible solution for various space requirements.
- Non-polarity, two-wire bus connection ensures convenient installation and maintenance.
- Comply with EN54-3, Certified by LPCB



Isolator Base

SDS57B

Product Features:

- Fast activation response.
- LED indicates isolation condition.
- Protection against overload conditions.
- Minimizes disruption from short circuits.
- Stable communication technique with high noise immunity.
- Up to 20 detectors can be installed between isolating bases.
- Suitable for smoke detectors, heat detectors, and multi-sensor detectors.
- Isolation of short circuit automatically restores when the short circuit is cleared.
- Should be used with Loop Stabilizer LS90/LS30 connected at loop start.
- Comply with EN54-17, Certified by LPCB

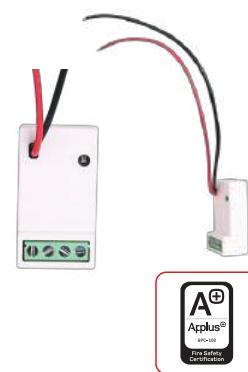


Isolate Module

SDS57M

The D9057M isolator module protects a bus from short-circuit faults. It swiftly isolates the affected area, allowing other devices to operate normally. It doesn't need addressing and doesn't occupy an address in the loop. Once the fault is resolved, the isolated part reconnects automatically.

- D9057M isolator swiftly isolates short-circuited bus areas.
- No addressing needed; operates automatically without occupying a loop address.
- Upon fault resolution, the isolated part reconnects to the bus automatically for normal operation.



Information Transfer Unit

CAN-DTU

USB power supply.

It's easy to install and commissioning.

With 4 Leds to show you the CAN connection status.



Accessories

Addressable Programmer

SDS-CF100E

Digital display, can be used to read or write addresses for the addressable end devices in field. AC 220V or DC 24V power supply.



Product Features:

- Small, shockproof, portable.
- LOW consumption. Can work 18 hours constantly.
- Address number plus one automatically while coding.
- Support inspection on remaining battery.

Mimic Driver Module (Master Board)

MDM-M

The Mimic driver includes two boards: MDM-M (Main board) and MDM-EX (Expansion board). The MDM-M is the master PCB that interfaces directly to the CIE via RS- 485 Bus. This board provides 32 LED outputs which are powered from an external EN54-4 power supply.



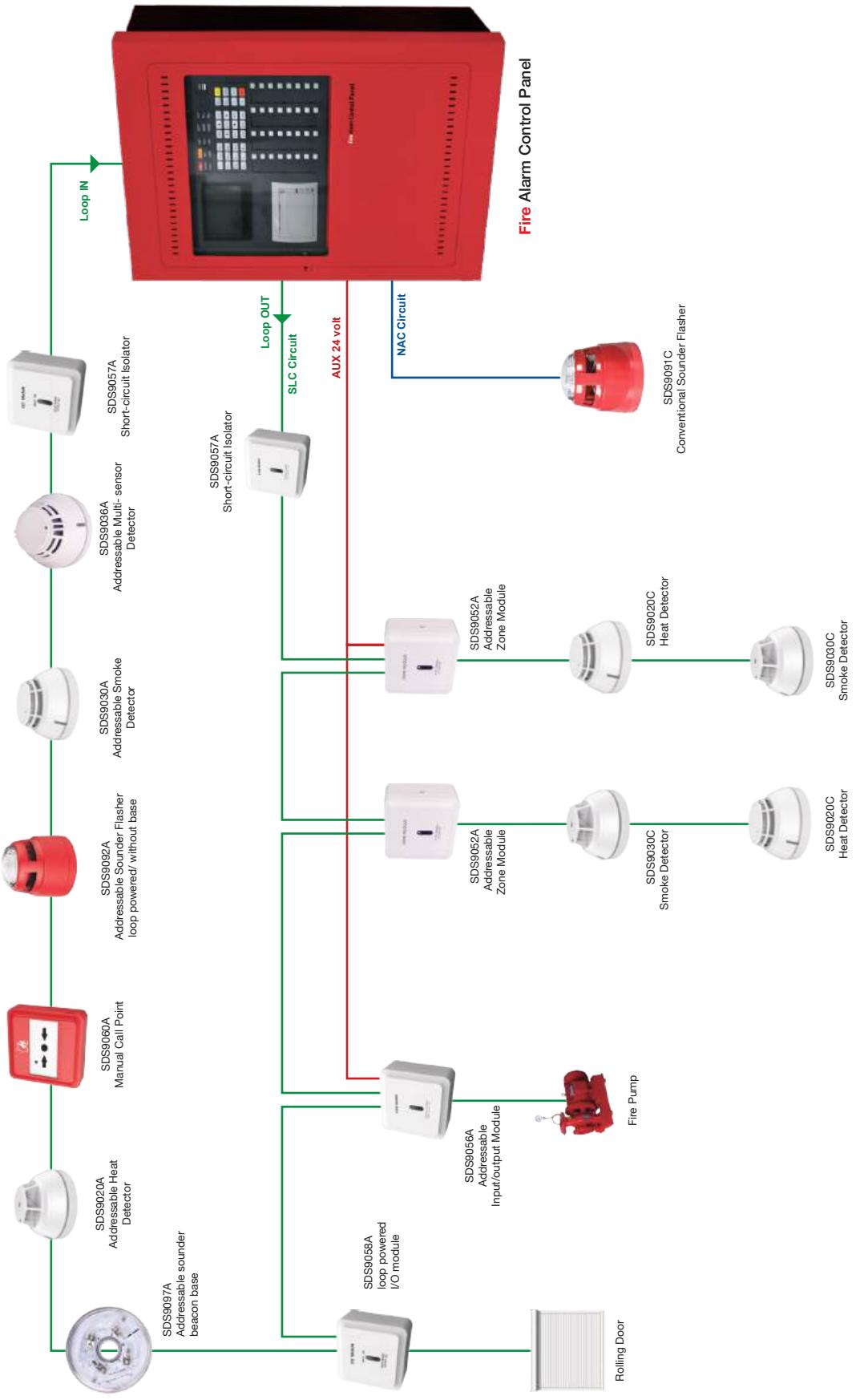
Mimic Driver Module (Slave Board)

MDM-EX

The MDM-EX is the slave PCB which is directly controlled by the Main board. Up to 3 Expansion boards can be connected to the Main board and each Expansion board has 32 LED outputs allowing the number of LED outputs to be expanded up to a maximum of 128. The Expansion board is powered by the Main board through the interlinking cable between boards



Diagram





SMART DETECTION SYSTEMS

SOLE AGENT

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