



SYNCOLN

| Product | Catalogue

| Most routine devices

Analogue Addressable Discovery Optical Smoke Detector



The Discovery Optical Smoke Detector operates using the light scatter principle and is ideal for applications where slow-burning or smouldering fires pose a potential risk.

Responds well to slow-burning, smouldering fires

Well-suited to bedrooms and escape routes

Unaffected by wind or atmospheric pressure

Five response modes approved to EN 54

Remote test feature

Comprehensively tested to the EN54 standard

5000-200

Discovery Optical Smoke Detector

Analogue Addressable Discovery Optical/Heat Multi-sensor Detector



The Discovery Multisensor Detector 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.

Ideal for a wide range of applications

Enhanced false alarm management

Recommended, in specific modes, for hotel bedrooms and hospital wards

Unaffected by wind or atmospheric pressure

Well-suited to sensitive environments

Five response modes approved to EN 54

Heat only and optical only options

Remote test feature

Comprehensively tested to the EN54 standard

5000-400

Discovery Multisensor Detector

Analogue Addressable Discovery Heat Detector



The Discovery Heat Detector uses a single thermistor to sense the air temperature around the detector.

Ideal in environments that are dirty or smoky under normal conditions

Well-suited to warehouses, loading bays and car parks

Unaffected by wind or atmospheric pressure

Five response modes approved to EN 54

Remote test feature

Comprehensively tested to the EN54 standard

5000-300

Discovery Heat Detector

Intelligent Mounting Base



All detectors in the Discovery range fit the Intelligent Mounting Base. The mounting base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT 7 Cards are supplied with all Mounting Bases.

XPERT 7 Card addressing

One-way fit of detector

Locking feature to prevent unauthorised detector removal

5000-100
Intelligent Mounting Base

Isolating Base



The Isolating Base senses and detects short-circuit faults on Discovery loops and spurs.

Up to 20 detectors or their equivalent load, may be installed between isolating bases

High-brightness LED

Detects wiring short-circuits

Minimises disruption from short-circuits

5000-500
Isolating Base

Isolator



The Isolator is placed at intervals on the loop and ensures that, in the case of a short-circuit, only the section between the isolators will be affected. When the short-circuit is removed, the isolators automatically restore power and data to the isolated section.

Detects wiring short-circuits

Minimises disruption from short-circuits

Automatic deisolation on short-circuit removal

Up to 20 detectors or their equivalent load, may be installed between isolators

5000-600
Isolator

Isolator Base



The Isolator Base is unique and designed to only accept the Isolator 55000-720.

5000-601
Isolator Base

MiniDisc Remote Indicator



The MiniDisc Remote Indicator is a light weight, compact red LED indicator for use in fire detection systems.

Can be used across the entire Syncoln range

Small and discreet

Anti-tamper screw to protect against unauthorised removal

5000-602

MiniDisc Remote Indicator

XPERT 7 Card



XPERT 7 Cards are supplied with all XPERT 7 Mounting Bases. Using a coding guide pips are removed to set the address of the inserted detector.

Simplifies and speeds-up installation and commissioning

Uses patented, proven technology

Address remains the same, no matter how often detectors are replaced

Flexibility to create any address

Optical Smoke Detector



The Series 27 Optical Smoke Detector incorporates a pulsing LED located within the housing of the detector. The external detector moulding is identical to that of the ionisation detector, and has an indicator LED which is clear in quiescent state but produces a red light in alarm.

Responds well to slow-burning, smouldering fires

Well-suited to bedrooms and escape routes

Unaffected by wind or atmospheric pressure

Flashing LED and magnet operated test switch option

2000-200
Series 27 Optical Smoke Detector with flashing LED

Heat Detector



The Series 27 Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature.

Can be used for applications where smoke detectors are unsuitable

Ideal environments that are dirty or smoky under normal conditions

Wide-operating voltage

2000-300 A1R with flashing LED

2000-301 BR with flashing LED

2000-302 CS with flashing LED

Standard Base



The Series 27 Standard Base has been designed to enable detectors to be fitted without the need of force – particularly useful when fitting to suspended ceilings. All Series 27 bases have a one-way only fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.

Detector locking mechanism

One-way fit

Easy to wire

Contains an earth connector

Contains no electrical parts

Terminal for remote indicator

2000-100
Series 27 Standard Base

MiniDisc Remote Indicator



The MiniDisc Remote Indicator is a light-weight, compact red LED indicator for use in fire detection systems.

Can be used across the entire **Syncoln** range

Small and discrete

Anti-tamper screw to protect against unauthorised removal

5000-602

MiniDisc Remote Indicator

Intelligent Open-Area Sounder



The Intelligent Open-Area Sounder has been designed for use in open areas and can be connected to an XP95/Discovery system.

Self-test fault monitoring

Choice of tones on standard device: **Syncoln**, Slow Whoop and DIN

Two volume settings 92dB(A) and 100dB(A)

Synchronisation of tones

Individual and group addressing

Built-in isolator

Red or white options

Loop-powered

IP65 rated

EN 54-3 Certified

5000-902

Intelligent Open-Area Sounder (red)

Intelligent Open-Area Sounder Visual Indicator



The Intelligent Open-Area Sounder Visual Indicator is designed for use in open areas and can be connected to an XP95/Discovery system.

Self-test monitoring

Choice of tones on standard device: **Syncoln**, Slow Whoop and DIN

Two volume settings 92dB(A) and 100dB(A)

Individual and group addressing

Synchronisation of tones and flashes

Built-in isolator

Loop-powered

IP65 rated

Red and clear lens options

Flash rate 1Hz (red)

EN 54-3 and EN 54-17 Certified

5000-903

Intelligent Open-Area Sounder Visual Indicator (red)

Loop-Powered Visual Indicator



The Loop-Powered Visual Indicator is a local-area visual indicator designed for indoor use. The visual indicator has been developed as a supplement to sounders for use in situations where there is a risk that sounders will not be heard.

For use on an XP95/Discovery systems

Self-test indicator

High intensity LEDs

Automatic LED check

Lockable

Wide angle of visibility

Enables compliance with the Equality Act

Synchronised flash

Flash rate 1Hz

IP23D rated

5000-905

Loop-Powered Visual Indicator (red)

Integrated Base Sounder



The Integrated Base Sounder comprises a base sounder with integral mounting base, and is for use with Discovery or XP95 detectors. It is designed for indoor use.

For use on an XP95/Discovery systems

Two tones

Two volume ranges
55-75dB(A) and 75-91dB(A)

Individual and group addressing

Unique acoustic self-test

Built-in isolator

IP21D rated

EN 54-17 Certified

5000-900

Integrated Base Sounder

Conventional Sounder Visual Indicator



The Sonos Sounder Visual Indicator is a conventional sounder visual indicator which makes use of the TimeSaver® base, resulting in a faster and more reliable installation.

For use with conventional systems

A choice of 32 tones including all the major international standards

Simple 'First Fix' installation

1000-100

Conventional Sounder Visual Indicator (Shallow Base)

1000-101

Conventional Sounder Visual Indicator (Deep Base)

Conventional Wall Mounted Pulse Beacon



Conventional wall mounted Visual Alarm Devices are available with a white and red flash colour. The white flash variant has an EN 54-23 approved coverage pattern of W-3.1-11.3, whereas the red flash variant has a coverage pattern of W-2.4-7.5.

EN 54-23 approved

Flash Colour: Red or White

Synchronised Flash

IP65 (deep base)

1000-300

Conventional Wall Mounted Pulse Beacon (Shallow Base)

1000-301

Conventional Wall Mounted Pulse Beacon (Deep Base)

Conventional Sounder



The Sonos Sounder is a conventional sounder which makes use of the TimeSaver® base resulting in a faster and more reliable installation.

For use with conventional systems

A choice of 32 tones including all the major international standards

Simple 'First Fix' installation

Volume control - typical 8dB

1000-200

Conventional Sounder (Shallow Base)

1000-201

Conventional Sounder (Deep Base)

Intelligent Input/Output Unit



The Intelligent Input/Output Unit provides supervision of one or more normally open contacts connected to a single pair of cables and a set of changeover relay output contacts.

Improved design for ease of wiring meaning faster installation

Controllable isolator*

Address range 1 -254*

Nine-pre-configured modes, including compatibility mode from XP95/Discovery to CoreProtocol systems*

Failsafe mode (meets the requirements of BS7273-4)

Configurable input styles*

Earth fault monitoring*

New
SH1200-107SYN
Intelligent Twin Input/Output Unit

Old
5000-803
Intelligent Twin Input/Output Unit

*Note: CoreProtocol enabled systems only – please check with your system partner for availability

Intelligent Mains Switching Input/Output Unit



The Mains Switching Input/Output Unit provides a voltage-free, single pole changeover relay output and a monitored switch input.

Improved design for ease of wiring meaning faster installation

Controllable isolator*

Address range 1 -254*

Nine-pre-configured modes, including compatibility mode from XP95/Discovery to CoreProtocol systems*

Two input channels

Failsafe mode (meets the requirements of BS7273-4)

Configurable input styles*

Earth fault monitoring*

SH1200-109SYN
Intelligent Mains Switching Input/Output Unit

*Note: CoreProtocol enabled systems only – please check with your system partner for availability

Intelligent Twin Input/Output Unit



The Intelligent Twin Input/Output Unit provides the function of two Input/Output Units within one enclosure. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address.

Both input/output units in the enclosure provide supervision of one or more normally open volt free contacts connected to a single pair of cables and a set of changeover relay output contacts.

Improved design for ease of wiring meaning faster installation

Contains controllable isolator*

Address range 1 -254*

Nine pre-configured modes, including compatibility mode from XP95/Discovery to CoreProtocol systems*

Failsafe mode (meets BS 7273-4 requirements)

Configurable input styles*

Earth fault monitoring*

SH1200-108
Intelligent Twin Input/Output Unit

*Note: CoreProtocol enabled systems only – please check with your system partner for availability

Intelligent Twin Switch Monitor



The Intelligent Twin Switch Monitor provides the function of two Switch Monitor units within one enclosure. The two units are electrically independent of each other. There is a DIL-switch on each unit to set the address.

Both Switch Monitor units in the enclosure are designed to monitor the state of one or more single pole, volt-free contacts connected on a pair of cables to report the status. It has a selectable status reporting delay making it suitable for monitoring flow switches.

Improved design for ease of wiring meaning faster installation

Controllable isolator*

Address range 1 -254*

Nine-pre-configured modes, including compatibility mode from XP95/Discovery to CoreProtocol systems*

Priority mode for first response

Configurable input styles*

Earth fault monitoring*

SH1200-111SYN
Intelligent Twin Switch Monitor

*Note: CoreProtocol enabled systems only – please check with your system partner for availability

Intelligent Switch Monitor



The Switch Monitor is designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables and to report their status' to Syncoln-compatible analogue control equipment.

Improved design for ease of wiring meaning faster installation

Controllable isolator*

Address range 1 -254*

Nine-pre-configured modes, including compatibility mode from XP95/Discovery to CoreProtocol systems*

Priority mode for fast response

Configurable input styles*

Earth fault monitoring*

New
SH1200-110SYN
Intelligent Switch Monitor

Old
5000-801
Intelligent Switch Monitor

*Note: CoreProtocol enabled systems only – please check with your system partner for availability

Sounder Control Unit



The Sounder Control Unit is used to control the operation of a zone of conventional sounders and report their status' to the control panel.

Allows sounders to be operated continuously or be pulsed, 1 second on, 1 second off

May be synchronised with loop sounders

Built-in isolator

5000-806
Sounder ControlUnit

Zone Monitor



The Zone Monitor powers and controls a zone of up to 20 Syncoln Series 27 or Orbis fire detectors from a Discovery or XP95 loop.

Loop-powered

LED alarm indication

Built-in isolator

5000-802
Zone Monitor

Intelligent Manual Call Point



The Syncoln range of Intelligent Manual Call Points has been designed to comply with European standard EN 54-11. In addition, the call points include a number of features designed to make installation and testing quick, easy and cost effective. They can be used on XP95, Discovery and CoreProtocol® systems.

Resettable operating element

Easy access, front reset mechanism

E-Z fit connector system for installation

EN 54-11 & EN 54-17 Certified

Front-facing LED

Continuity link for cable insulation testing

Suitable for Semi-flush or surface mounting

5000-700

Intelligent Manual Call Point

Conventional Manual Call Point



- 1) Manually trigger alarms
- 2) Push plastic button of manual call point down to activate an alarm
- 3) Simplified appearance
- 4) Easy installation and maintenance

Description: Manual Call Point

Model: Manual Call Point flashing LED and transparent cover

Rating voltage: 2W 24V (DC14~28V)

Standby current: 35uA / 0uA

Start current: 500uA
Operating temperature: -20°C~+50°C

Alarm current: 23mA
Dimensions: 96.00mm X 96.00mm

Model Description Conventional manual call point with flashy LED and transparent cover.

4000-200

Conventional Manual Call Point

Conventional Fire Alarm Control Panel



Attractive flush or surface mountable plastic lid and enclosure – no bezel required

Installer-friendly design accommodates easy first fix and straightforward maintenance

'Class change' and 'Alert' inputs

Two open-collector outputs (Remote and Reset)

Two on-board relays (Fire and Fault)

Wide range of engineering functions including zone test, coincidence*, zone delay and non-latching zones*

Integral 1.5A EN54-4/A2 compliant switch mode PSU

Four conventional sounder circuits

Intuitive user-friendly interface with colour-coded buttons and combined keypad/keys witch entry to access level 2

LPCB certified to EN54 Parts 2 and 4

Low 25mA quiescent current

End of line units included (one per zone)

Ancillary system expansion connections provided for up to eight two-wire repeaters (one CFP761 network driver card required per system) and optional CFP relay boards

Space for two x 12V 3.3Ah VRLA batteries

CFP702-4/SYN CFP up to 2 zone
Conventional Fire Alarm Panel

CFP704-4/SYN CFP up to 4 zone
Conventional Fire Alarm Panel

CFP708-4/SYN CFP up to 8 zone
Conventional Fire Alarm Panel

Modular Addressable Fire Alarm Control Panel: Solution N1



Modular, intelligent and ultra-modern Fire Control Panel for analogue addressable detectors and conventional detectors.

Prepared for 2 to 6 loops and / or 8 to 24 conventional zones.

Supports Hochiki ESP and CDX detectors as well as Apollo Orbis, XP95 and Discovery

Power supply 24V / 4,2A, main board with 32 bit CPU and Touch Control Panel with graphics LCD module 240 x pixel 64

Fire brigade key depot , fire brigade control panel interface and F.B. activation as standard equipment as well as a redundant RS-485 interface (Fire (brigade display tableau

8 programmable push buttons

max. of 512 zones can be organized

Event log for 10.000 messages

USB interface for PC configuration

Up- and Download of operating software

One hundred percent redundant RS-485 interface

3 separate RS-232 interfaces

Interface for transmission modem "I Module" (option). Transmission can be by analogue modem, ISDN or Webserver

4 programmable relays

2 conventional zones for special applications like monitoring of extinguishing systems

16 programmable digital O/C outputs

8 programmable monitored inputs

3 opto coupled outputs

Earth fault detection

Slot for 2 x network card _redundant network possible

4 fused power supply outputs 24V / 1A

B01050-00 Fire Control Panel "Solution F1-6", Standard configuration for 2-6 loops

B01060-00 Fire Control Panel "Solution F1-18", Standard configuration for 2-18 loops

Addressable Fire Alarm Control Panel: Teledata One



Fire detection by means of cabled or wireless devices

Multiprotocol control panel, with its minimal set-up

Open or closed loops of 240 compatible devices

Expansion of basic configuration by adding 2 loops each time to control up to 2160 devices, both optical and thermal, from a single control panel

In complex applications, a ring network installation up to 32 control panels

Combining by means of logical expressions in order to trigger events for the panel to which they belong or for other panels of the ring network

3 different access levels according to the user: installer, safety responsible and final user

Immediate, auto-programming and auto-addressing mechanisms for configuration procedure

Certified UNI EN 54-2 e 54-4 for fire detection and report

Optional external peripheral, such as keyboards and LED panels by installation of dedicated cards

Programming the control panel locally or from remote, by means of the dedicated online platform OneCloud, data can be exported and imported with any USB key

Exporting and importing data with any USB key

Monitoring by means of WINWATCH32 supervision system

Diagnostic of detectors and devices directly from the control panel

Customizing the control panel for any installation condition: colour, display background, programmable LED colour, logo displayed and language

Teledata One up to 9 loops
Addressable Fire Alarm Panel

Methane (CH₄ / 220v AC) Gas Detector



To avoid personal safety injury, instrument damage and potential dangerous accident; do not use the product before reading its manual. 13100 Methane (Natural gas) detector is a wall-mounted household gas alarm designed to detect the concentration of combustible gases using high quality air-sensitive component and manufactured with advanced technology. It provides visual and audible signals

Voltage 17-28 VDC

Quiescent Current 400mA at 24 VDC

Alarm Current 3.5mA at 24 VDC

Size inc Base 100mm Dia x 50mm H

Operating Temperature -20°C to +60° C (no icing)

Relative Humidity 0 to 95% (non condensing)

IP Rating IP43

Weight inc Base 160grams

13100
Methane (CH₄ / 220v AC)

Carbon Monoxide Alarm Detector Local



This device is used for detecting carbon monoxide rather than used as smoke alarm or any other gas alarms. Besides, this alarm can only detect the carbon monoxide in the air. If you want to protect the whole family effectively, please install the alarm in every room, living room, kitchen and washing room, which will effectively protect your family.

Size specification: 90*120*40 mm

Weight 220 g

Type B type (non-controlled)

Using voltage DC 4.5V (LR6 1.5V 3 AA high energy alkaline)

Working condition temperature from 0°C to 45°C

Relative humidity 0-90% RH

Static working current 80±10µA deviation

Display scope of concentration 25-550 PPM ±10% deviation

Power source 3 pcs 1.5V AA battery

Standby mode < 90 µA

Working mode < 1.5 mA

Alarming mode < 75 mA

Alarm decibel ≥ 85 dB/m

1060SYN
Carbon Monoxide Alarm Detectors

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Part number list of **all** available products

Part number	Product description	Part number	Product description
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1000-200	Conventional Sounder (Shollow Base)	5000-602	MiniDisc Remote Indicator
1000-201	Conventional Sounder (Deep Base)	5000-700	Intelligent Manual Call Point
1000-300	Conventional Wall Mounted Pulse Beacon (Shollow Base)	5000-801	Intelligent Switch Monitor (Old)
1000-301	Conventional Wall Mounted Pulse Beacon (Deep Base)	5000-802	Zone Monitor
2000-100	Series 27 Standard Base	5000-803	Intelligent Input/Output Unit (Old)
2000-200	Series 27 Optical Smoke Detector with flashing LED	5000-806	Sounder ControlUnit
2000-300	Series 27 Heat Detector A1R with flashing LED	5000-900	Integrated Base Sounder
2000-301	Series 27 Heat Detector BR with flashing LED	5000-902	Intelligent Open-Area Sounder (red)
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4000-200	Intelligent Manual Call Point	SH1200-108SYN	Intelligent Twin Input/Output Unit
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		13100	Methane (CH ₄ / 220v AC) Gas Detector
		1060SYN	Carbon Monoxide Alarm Detector Local
		CFP702-4/SYN	Conventional Fire Alarm Control Panel / CFP 2 Zone
		CFP704-4/SYN	Conventional Fire Alarm Control Panel / CFP 4 Zone
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		B01050-00	Addressable Fire Alarm Control Panel / Solution F1-6 / 2-6 loops
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Part number	Product description
Teledata One	Addressable fire alarm control panel/ up to 9 loops
SA7800-870APO	Apollo Loop Test Set
53832-020	Conventional Test Set
29600-226	Flame Sensor Test Unit and Case

To access complete catalogue about the products, please refer to our website: www.syncoln.com