

Apollo Fire Detection Systems



Product Catalogue





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Fire Detectors – Addressable

Soteria UL, Discovery UL

Discovery UL is Apollo's line of high-specification and intelligent fire detectors, meet the requirements of sophisticated applications. Specially approved for use by the Underwriters' Laboratories and Factory Mutual (UL/ULC/FM) markets, Discovery UL has been carefully researched and developed by Apollo to meet the demands of today's high-technology environments.

Soteria UL Photoelectric Smoke Detector



The Soteria UL Smoke Detector is Apollo's most advanced detector to date. Using new Purelight® high-tech sensing technology to detect smoke particles substantially reduces the possibility of false alarms. This detector is a direct replacement for the 58000-650 Discovery UL Smoke Detector.

- Approved to UL268 7th edition
- Built-in isolator
- Purelight® optical technology
- Drift compensation
- Used with CoreProtocol for use with complex fire detection systems
- Capable of soft addressing
- Backward compatible with Discovery & CoreProtocol systems (254 addresses with CoreProtocol)
- Base locking mechanism (grub screw)
- In-built self test
- XPERT card addressing
- FasTest® for quicker testing of detectors
- Approvals: FM, UL, ULC, CSFM

SA5150-650: Soteria UL Photoelectric Smoke Detector

Soteria UL Multi-Criteria Detector



The Soteria UL Multi-Criteria Detector (Smoke/Heat) uses Purelight® and is fitted with two thermistors for detecting heat. It can be switched to detect smoke, heat or a combination of both; offering greater flexibility, fast detection and advanced false alarm management. This detector is a direct replacement for the 58000-750 Discovery UL Multi-sensor Detector

- Approved to UL268 7th edition
- Built-in isolator
- Purelight® optical technology
- Drift compensation
- Used with CoreProtocol for use with complex fire detection systems
- Backward compatible with Discovery & CoreProtocol systems (254 addresses with CoreProtocol)
- Base locking mechanism (grub screw)
- In-built self test
- XPERT card addressing
- Capable of soft addressing
- Dual heat sensors
- Approvals: FM, UL, ULC, CSFM

SA5150-750: Soteria UL Multi-Criteria Detector

Discovery / Soteria UL Heat Detector



The Discovery / Soteria UL Heat detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature. Ideal for environments that are dirty or smoky under normal circumstances. Well suited to warehouses, loading docks and parking garages.

- Compatible with all devices from the Soteria UL range
- Electronic temperature sensing
- Alarm flag for fast alarm responding
- Automatic addressing
- Easy installation
- Elegant design
- Unaffected by wind or atmospheric pressure
- Approvals: FM, UL, CSFM

SA5800-450: Discovery / Soteria UL Heat Detector





Fire Detectors – Addressable

XP95A

The XP95A range of analogue addressable fire detectors are specially approved for use by the Underwriters’ Laboratories and Factory Mutual (UL/ULC/FM) markets. XP95A detectors are designed to ensure a high level of performance together with unique features that benefit the installer and the end user. XP95A is suitable for medium-to-large applications that have simple installation requirements. Using digital communication, XP95A has a high immunity from corruption, and is, therefore, often preferred in a large system where life safety is critical. XP95A alarms are suitable for use in commercial, industrial, financial, government, IT/telecoms and healthcare applications.

XP95A Photoelectric Smoke Detector



The XP95A Smoke Detector uses new Purelight® technology, to detect smoke particles entering the chamber. This reduces the possibility of false alarms whilst increasing the reliability of detection of a real fire. This detector is a direct replacement for the 55000-650 XP95A Smoke Detector.

- Approved to UL268 7th edition
- Purelight® optical technology
- Internal drift compensation
- Easy installation
- Compatible with XP95 systems
- Base locking mechanism (grub screw)
- Polarity insensitive wiring
- In-built self test
- XPERT card addressing
- Approvals: FM, UL, ULC, CSFM

SA5050-250: XP95A Photoelectric Smoke Detector

XP95A Multi-Criteria Detector



The XP95A Multi-Criteria Detector (Smoke/Heat) uses new Purelight® technology to detect smoke particles. It reduces the possibility of false alarms whilst increasing the reliability of detecting a real fire. This detector is a direct replacement for 55000-886 XP95A Multi-sensor Detector (Smoke/Heat).

- Approved to UL 268 7th edition and UL 521
- Purelight® optical technology
- Internal drift compensation
- Compatible with XP95A systems
- Easy installation
- XPERT card addressing
- Base locking mechanism (grub screw)
- Polarity insensitive loop wiring
- In-built self-test
- Dual heat sensors
- Approvals: FM, UL, ULC, CSFM

SA5050-350: XP95A Multi-Criteria Detector (Smoke/Heat)

XP95A Heat Detector



The XP95A Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature. It is classified as an ordinary detector by UL. Well suited for warehouses, loading docks and parking areas

- Compatible with all devices from the latest UL268 7th Edition approved XP95A range
- Electronic temperature sensing
- Alarm flag for fast alarm responding
- Automatic addressing with the XPERT 7 card
- Electronic free 4” or 6” bases
- Easy installation
- Ideal for environments that are dirty or smoky under normal circumstances
- Approvals: UL, FM, CSFM

SA5500-450: XP95A Heat Detector





Fire Detectors – Conventional

Series 65

Series 65 series is a range of conventional detectors incorporates well-proven sensing technologies, together with advances in materials and electronics technology. Series 65 detectors are used on small-to-medium sized systems, such as small industrial units, shop units and guest houses.

Series 65 Optical Smoke Detector



The Series 65 Optical Smoke Detector uses light sensing technology to “see” smoke entering the chamber. The external detector moulding is identical to that of the ionisation detector and has an indicator LED which is clear in quiescent state and produces a red light in alarm.

- Responds well to slow-burning, smoldering fires
- Well suited for bedrooms and escape routes
- Unaffected by atmospheric pressure
- Wide operating voltage
- Flashing LED option
- Magnet operated test switch option
- Approvals*: BOSEC, CPR, FG, LPCB, SBSC, VdS

55000-317APO: Series 65 Optical Smoke Detector

55000-316APO: Series 65 Optical Smoke Detector with flashing LED

55000-315APO: Series 65 Optical Smoke Detector with flashing LED & magnetic test

Series 65 Heat Detector



The Series 65 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
- Flashing LED option
- Magnet operated test switch option
- Approvals*: BOSEC, FG, VdS, SBSC, LPCB, CPR

55000-122APO: Series 65 Heat Detector (A1R)

55000-121APO: Series 65 Heat Detector (A1R) with flashing LED

55000-127APO: Series 65 Heat Detector (BR)

55000-126APO: Series 65 Heat Detector (BR) with flashing LED

55000-132APO: Series 65 Heat Detector (CR)

55000-131APO: Series 65 Heat Detector (CR) with flashing LED

55000-137APO: Series 65 Heat Detector (CS)

55000-136APO: Series 65 Heat Detector (CS) with flashing LED

*Approvals

- SBSC - Svensk Brand & Sakerhets Certifiering AB Certificate (Scandinavia)
- FG - Forsikringsselskapenes Godkjennelsesnevnd (Norway)
- BOSEC - Belgian Organisation for Security Certification
- CPR - Certificate of Constancy of Performance (EU)





Modules

XP95A

XP95A Isolator



The XP95A 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 using patented technology
- Minimizes disruption from short-circuits
- Automatic de-isolation on short-circuit removal
- Up to 20 devices may be installed between isolators
- Approvals: FM, UL, ULC

55000-750: XP95A Isolator

Mini Monitor Module



The Mini Switch Monitor is an interface that can be fitted onto a standard 35mm DIN-Rail (using a twist-click motion) or mounted within an enclosure, for example a manual call point.

It 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 the status to Apollo compatible analogue addressable control equipment.

- Designed for use where space is limited
- Interrupt/non interrupt in one unit
- 'Pre-alarm' status available
- Three, coloured LEDs, giving clearer status indication
- Approvals: FM, UL, ULC

55000-765: Mini Monitor Module

XP95A Switch Monitor Module



The XP95A Switch Monitor Module is designed to monitor the state of one or more single pole, voltage free contacts connected and to report the status to Apollo compatible analog control equipment.

- Three input states - 'normal', 'trouble', and 'alarm'
- Visible LED
- Loop-powered
- Approvals: FM, UL, ULC

55000-805: XP95A Switch Monitor Module

XP95A Priority Switch Monitor Module



The XP95A Priority Switch Monitor Module is designed to monitor the state of one or more single pole, voltage free contacts and to report the status to Apollo compatible analog control equipment.

It can also place a signal on the loop to provide early warning if a device such as a Pull Station is operated.

- Three input states - 'normal', 'trouble', and 'alarm'
- Visible LED with remote LED connection option
- Loop-powered
- Fast response time
- Interrupt facility
- Approvals: FM, UL, ULC

55000-806: XP95A Priority Switch Monitor Module





Modules

XP95A

XP95A Dual Priority Switch Monitor Module



The XP95A Dual Priority Switch Monitor Module contains two Priority Switch Monitor Modules (55000-806) on a single plate.

- Loop-powered
- Fast response time
- Interrupt facility
- Approvals: FM, UL

55000-790: XP95A Dual Priority Switch Monitor Module

XP95A Switch Monitor Input / Output Module



The XP95A Switch Monitor Input / Output Module provides a voltage free, single pole, change-over relay output, a single, monitored switch input and unmonitored, non-polarized opto-coupled input.

- Reports 'trouble', 'switch open' and 'switch closed' levels
- Visible LED
- Loop-powered
- Approvals: FM, UL, ULC

55000-820: XP95A Switch Monitor Input / Output Module

XP95A Sounder Control Module



The XP95A Sounder Control Module monitors and controls the operation of a zone of conventional sounders and reports their status to the control panel.

- Allows sounders to be operated
- continuously or be pulsed, 1 second on, 1 second off
- May be synchronized when in pulsed operation
- Can also be used for public address speakers
- Approvals: FM, UL, ULC

55000-825: XP95A Sounder Control Module





Notification Devices

XP95A, Discovery UL

XP95A Open Area Sounder



The XP95A Open-Area Sounder has been designed for use in open areas and can be connected to any Discovery UL or XP95A system.

- For use with XP95A and Discovery UL systems
- Self-test fault monitoring
- Two volume settings 92dB(A) and 100dB(a)
- Built in isolator
- Synchronisation of tones
- Individual and group addressing
- Red or white options
- Loop powered
- IP65 rated
- Approvals: UL

55000-041: XP95A Open Area Sounder (Red)

55000-042: XP95A Open Area Sounder (White)

XP95A Sounder Visual Indicator Base



The XP95A Sounder Beacon Base is a loop-powered sounder and beacon combined with a standard Intelligent Mounting Base. It is used to signal a fire alarm in enclosed areas. The Sounder Beacon Base can be used either with a detector fitted or with a cap for operation as a stand-alone alarm device.

- Two volume ranges 55-75dB(A) and 75-91dB(A)
- Beacon flash rate of once per second
- Synchronisation of 'alert' and 'evacuate' tones
- Synchronization of beacon flash
- Individual and group addressing
- Unique acoustic and beacon self test
- Approvals: UL

45681-525: XP95A Sounder Visual Indicator Base (Yellow LEDs)

45681-526: XP95A Sounder Visual Indicator Base (Red LEDs)

Discovery UL Open Area Sounder Visual Indicator



The Discovery UL Open-Area Sounder Beacon makes full use of the Discovery protocol and has been designed for use in indoor, outdoor and open-areas.

When the fire system is being commissioned a Magnetic Wand can be used to adjust and test each sounder locally.

- 15 tone pairs
- Sounder and beacon are independently configurable
- Volume and tone settings are independently selectable from the control panel
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes
- Group and global control for increased response time
- Approvals: FM, UL

58000-011: Discovery UL Open Area Sounder Visual Indicator (Red lens)

58000-012: Discovery UL Open Area Sounder Visual Indicator (White lens)

Discovery UL Sounder Visual Indicator Base



The Discovery UL Sounder Visual Indicator Base combines a sounder with a visual indicator and detector base in one unit

- Sounder and beacon are independently configurable
- Volume and tone settings are independently selectable from the control panel
- Tones can be used for other purposes in addition to warning of fire, ideal for schools etc.
- Enables soft start option, ideal for hospitals and nursing homes
- Electronic bell tone
- Approvals: UL

45681-524: Discovery UL Sounder Visual Indicator Base (Red LEDs)

45681-527: Discovery UL Sounder Visual Indicator Base (White LEDs)

29650-001: Magic Wand





Addressable Pull Stations and Manual Call Points

Discovery, XP95, XP95A

XP95A Dual Action Addressable Manual Pull Station



The Dual Action Addressable Manual Pull Station features translucent plastic at the centre, allowing visibility of an internal LED that indicates alarm condition and polling status. The unit is addressable using a DIP switch protected within the pull station. The pull station may be flush mounted on a single gang work box or use an optional back cover (56000-006).

- Control panel compatibility
- Key lock
- Easily resettable
- Lightweight polycarbonate housing
- Approvals: FM, UL

55000-041: XP95A Open Area Sounder (Red)

55000-042: XP95A Open Area Sounder (White)

Intelligent Manual Call Point



The Intelligent Manual Call Point has been designed to operate on a loop of intelligent fire detection devices. The Intelligent Manual Call Point will operate with compatible Apollo control equipment using the digital XP95, Discovery and CoreProtocols.

- Resettable operating element
- E-Z fit connector system for installation
- EN 54-11 & EN 54-17 Certified (Red version only)
- Continuity link for cable insulation testing
- Suitable for semi flush or surface mounting
- Approvals*: SBSC, VdS, FG, LPCB, BOSEC, CPR, CPR (CN)

SA5900-908: Intelligent Manual Call Point (Red)

SA5900-903: Intelligent Manual Call Point (White)

SA5900-904: Intelligent Manual Call Point (Yellow)

XP95 Manual Call Point



The XP95® Manual Call Point has been designed to operate on a loop of intelligent fire detection devices and when activated interrupts the polling cycle for a very fast response. The XP95 Manual Call Point is intended for indoor applications and is available in two versions, with and without isolator.

- Easily resettable element
- Unique 'Plug and Play' installation
- Continuity link for wiring test before commissioning
- Reports an alarm in under 0.2 seconds
- EN54-11 & EN54-15
- Approvals*: SBSC, CCCf, LPCB, CPR

55100-905: XP95 Manual Call Point

Discovery Waterproof Manual Call Point



The Waterproof Addressable Manual Call Point has been designed to operate on a loop of intelligent fire detection devices and when activated interrupts the polling cycle for a very fast response. Available with and without isolator. It is intended for outdoor applications or areas where water ingress or high humidity is a problem.

- Resettable operating element
- Ergonomic reset key
- Captive screws for easy installation
- Flashing Poling LED Option
- EN 54-11 & EN 54-17
- IP56 rated (with IP67 rated electronics enclosure)
- Approvals*: SBSC, FG, CPR, CPR (CN)

58200-950: Discovery Waterproof Manual Call Point (Red)

58200-951: Discovery Waterproof Manual Call Point with isolator (Red)

58200-953: Discovery Waterproof Manual Call Point with isolator (Yellow)

- *Approvals**
- SBSC - Svensk Brand & Sakerhets Certifiering AB Certificate (Scandinavia)
 - FG - Forsikringsveselskapenes Godkjennelsesnevnd (Norway)
 - BOSEC - Belgian Organisation for Security Certification
 - CCCf - China Certification Center for Fire Products
 - CPR - Certificate of Constancy of Performance (EU)
 - CPR (CN) - Certificate of Constancy of Performance Beijing





Conventional Manual Call Points

Conventional Manual Call Point



The Conventional Manual Call Point has been designed to operate on conventional fire detection systems.

The call point is supplied with a backbox for surface mounting.

The Manual Call Point is available in either red or yellow.

- Easy access, front reset mechanism
- Ergonomic reset key and keyring hole
- Captive screws on outdoor variant
- EN54-11 Certified (Red version only)
- 170° viewable LED indicator
- Suitable for flush or surface mounting (indoor version only)
- Approvals: Directive 89/106/EEC

55100-001: Conventional Manual Call Point (Red)

55100-002: Conventional Manual Call Point (Yellow)

Conventional Waterproof Manual Call Point



The Conventional Waterproof Manual Call Point has been designed to operate on conventional fire detection systems in outdoor settings.

The call point is supplied with a backbox for surface mounting.

The Manual Call Point (outdoor) is available in either red or yellow.

- Easy access, front reset mechanism
- Ergonomic reset key and keyring hole
- Captive screws on outdoor variant
- EN54-11 Certified (Red version only)
- 170° viewable LED indicator
- Approvals*: SBSC, CPR, CPR (CN)

55200-003: Conventional Waterproof Manual Call Point (Red)

55200-004: Conventional Waterproof Manual Call Point (Yellow)

***Approvals**

SBSC - Svensk Brand & Sakerhets Certifiering AB Certificate (Scandinavia)
 CPR - Certificate of Constancy of Performance (EU)
 CPR (CN) - Certificate of Constancy of Performance Beijing



Intrinsically Safe

XP95 I.S. (Addressable)

XP95 I.S. Optical Smoke Detector



The XP95 I.S. Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

- Responds well to slow burning, smouldering fires
- Well-suited to escape routes
- Unaffected by wind or atmospheric pressure
- Approvals: IECEx, LPCB, LR, BV, ABS, KRS, PESO, DNV, MED, EAC

55000-640: XP95 I.S. Optical Smoke Detector

XP95 I.S. Heat Detector



The XP95 I.S. Heat Detector operates by measuring heat levels with a single thermistor which gives a count output proportional to the external air temperature.

- Ideal for environments that are dirty or smoky under normal conditions
- Unaffected by wind or atmospheric pressure
- Approvals: IECEx, MED, LPCB, BV, ABS, VdS, LR, KRS, PESO, EAC

55000-440: XP95 I.S. Heat Detector





Intrinsically Safe

XP95 I.S. (Addressable)

XP95 I.S. Mounting Base



The XP95 I.S. Mounting Base has been designed to accept only IS products. This ensures that standard detectors cannot inadvertently be fitted into an Intrinsically Safe system. XPERT cards are supplied with all bases

- XPERT addressing
- One way fit
- Only accepts IS detector
- Approvals: MED, ABS, VdS, KRS, PESO, DNV, EAC

55000-640: XP95 I.S. Optical Smoke Detector

XP95 I.S. Manual Call Point



The Apollo XP95 I.S. Manual Call Point has been designed to be used in atmospheres in which explosive mixtures may be present. The device is rated to be used in Zones 2, 1 & 0.

- Resettable element for testing
- Easy access, front reset mechanism
- A unique, ergonomically designed key for resetting and front cover removal
- IP67 Rated
- Approvals: IECEX, BASEEFA, LPCB, LR, BV, ABS, VdS, PESO, DNV, MED

55000-540: XP95 I.S. Ionisation Smoke Detector

XP95 I.S. Manual Call Point – MEDC Style



The XP95 I.S. Manual Call Point – MEDC Style is recommended for heavy duty applications. This model is made of glass-reinforced polyester and may be ordered as break-glass or pushbutton style

- Reports address in under 0.2 seconds
- Waterproof
- Robust design
- Approvals: IECEX, BASEEFA, PESO

55000-440: XP95 I.S. Heat Detector



Intrinsically Safe

Orbis I.S. (Conventional)

Orbis I.S. Optical Smoke Detector



The Orbis I.S. Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

- Reduces false alarms
- Recommended for early warning of fire in most areas
- Improved sensitivity to black smoke
- Compensation for slow changes in sensitivity
- Algorithms for reliability of alarm
- Approvals: IECEx, MED, LPCB, BV, ABS, LR, KRS, VdS, DNV, PESO

ORB-OP-52027-APO: Orbis I.S. Optical Smoke Detector

ORB-OP-52028-APO: Orbis I.S. Optical Smoke Detector with flashing LED

Orbis I.S. Multisensor Smoke Detector



The Orbis I.S. Multisensor Smoke Detector benefits from the same false alarm technology as the Optical Smoke Detector with the addition of a heat sensing element.

- Reduces false alarms
- Sensitive to fast burning, flaming fires
- Improved sensitivity to black smoke
- Compensation for slow changes in sensitivity
- Algorithms for reliability of alarm
- Approvals: IECEx, MED, LPCB, BV, ABS, LR, KRS, VdS, DNV, PESO

ORB-OH-53027-APO: Orbis I.S. Multisensor Detector

ORB-OH-53028-APO: Orbis I.S. Multisensor Detector with flashing LED

Orbis I.S. Heat Detector



The Orbis I.S. Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.

- Can be used for applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under normal conditions
- Reduced incidences of false alarms
- Increased reliability of detection
- Approvals: IECEx, MED, BV, ABS, VdS, LR, KRS, PESO, DNV

Orbis I.S. Heat Detector, standard:

- ORB-HT-51145-APO:** Class A1R
- ORB HT 51157-APO:** Class A1S
- ORB-HT-51147-APO:** Class A2S
- ORB-HT-51149-APO:** Class BR
- ORB-HT-51151-APO:** Class BS
- ORB-HT-51153-APO:** Class CR
- ORB-HT-51155-APO:** Class CS

Orbis I.S. Heat Detector, with flashing LED:

- ORB-HT-51146-APO:** Class A1R
- ORB HT 51158 APO:** Class A1S
- ORB-HT-51148-APO:** Class A2S
- ORB-HT-51150-APO:** Class BR
- ORB-HT-51152-APO:** Class BS
- ORB-HT-51154-APO:** Class CR
- ORB-HT-51156-APO:** Class CS





Intrinsically Safe

Orbis I.S. (Conventional)

Orbis I.S. Time Saver® Base



The Orbis I.S. TimeSaver® Base provides installers with an open working area with fixing holes shaped to allow a simple mounting procedure.

- Grouped terminals to make wiring easy
- Two fixing centres
- LED alignment mark
- Detector locking mechanism
- Approvals: IECEx, MED, BV, ABS, LR, KRS, VdS, DNV

ORB-MB-50018-APO: Orbis I.S. Timesaver® Base

I.S. Manual Call Point

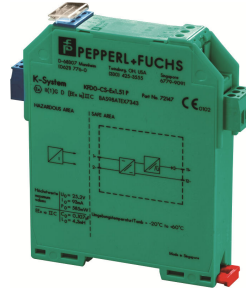


The Conventional Manual Call Point has been designed to operate on conventional Intrinsically Safe fire detection systems specifically in areas where explosive mixtures are or may be present.

- Suitable for intrinsically safe applications
- 'Plug and Play' terminals
- Approvals: CCS

55100-031: Conventional I.S. Manual Call Point
55100-032: Conventional I.S. Manual Call Point (non-standard) Yellow
55100-033: Conventional I.S. Waterproof Manual Call Point
55100-034: Conventional I.S. Waterproof Manual Call Point (non-standard) Yellow

Conventional Galvanic Barrier



The Conventional Galvanic Barrier is installed in the safe area and ensures system integrity.

- Enables compliance with the ATEX directive

29600-378: Conventional Galvanic Barrier

AV Galvanic Barrier



The AV Galvanic Barrier is installed in the safe area and provides connection to Audio Visual Alarms in a hazardous area.

- Enables compliance with the ATEX directive
- Approved up to SIL3

29600-440: AV Galvanic Barrier





SIL2

Discovery

Discovery Sounder Visual Indicator Base



The Discovery Sounder Visual Indicator Base makes full use of the Discovery protocol. For ease of commissioning a 'Magnetic Wand' can be used to test and adjust each sounder locally.

- Able to set individual control of the sounder and visual indicator
- Selectable volume and tone settings
- Tones can be used for other purposes in addition to warning of fire, ideal for schools
- Enables soft start option, ideal for hospitals and nursing homes
- Electronic bell tone
- Approvals: ESC

45681-393SIL: Discovery Sounder Visual Indicator Base (SIL)

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 for warehouses, loading bays and car parks
- Unaffected by wind or atmospheric pressure
- Five response modes
- Remote test feature
- Approvals: ESC, LPCB

58000-400SIL: Discovery Heat Detector (SIL)

Discovery Ionisation Smoke Detector



The Discovery Ionisation Smoke Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.

- Responds well to fast-burning, flaming fires
- Designed to operate in a variety of environments
- Resilient to dust
- Five response modes
- Remote test feature
- Approvals: ESC, LPCB

58000-500SIL: Discovery Ionisation Smoke Detector (SIL)



SIL2

Discovery

Discovery Optical Smoke Detector



The Discovery Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

- Responds well to slow-burning, smouldering fires
- Well suited for bedrooms and escape routes
- Unaffected by wind or atmospheric pressure
- Five response modes
- Remote test feature
- Approvals: ESC, LPCB

58000-600SIL: Discovery Optical Smoke Detector (SIL)

Discovery Multisensor 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 for sensitive environments
- Five response modes
- Heat only and optical only options
- Remote test feature
- Approvals: ESC, LPCB

58000-700SIL: Discovery Multisensor Detector (SIL)



SIL2

XP95 I.S.

XP95 I.S. Heat Detector (SIL2)



The XP95 Intrinsically Safe (IS) Heat Detector operates by measuring heat levels with a single thermistor which gives an analogue value output proportional to the external air temperature.

- Ideal for environments that are dirty or smoky under normal conditions
- Unaffected by wind or atmospheric pressure
- Approvals: ESC

55000-440SIL: XP95 I.S. Heat Detector (SIL)

XP95 I.S. Optical Smoke Detector (SIL2)



The XP95 Intrinsically Safe (IS) Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

- Responds well to slow-burning, smouldering fires
- Well suited for escape routes
- Unaffected by wind or atmospheric pressure
- Approvals: ESC, LPCB

58000-640SIL: XP95 I.S. Optical Smoke Detector (SIL)



SIL2

SIL Input / Output Unit



The Input / Output Unit provides a voltage-free, double pole changeover (DPCO) relay output, a single monitored switch input and an unmonitored, non-polarised opto-coupled input.

- Three visible LEDs
- Loop-powered
- Capable of switching up to 30V at 1A
- Built-in isolator
- Approvals: ESC

55000-847SIL: SIL Input / Output Unit

SIL Discovery Manual Call Point with Isolator (Red)



A seven-segment DIL switch enables addressing of each call point at commissioning stage. When operated, the manual call point interrupts the polling cycle for a fast response. Bi-coloured LEDs indicate isolate and normal conditions.

- EMC Directive 2014/30/EU compliant
- Dual Coloured LED
- Resettable from front with key
- Approvals: ESC, LPCB

58100-908SIL: SIL Discovery Manual Call Point with Isolator (Red)



Beam Detectors

Intelligent Auto-Aligning Beam Detector



The high-performance Auto-Aligning Beam Detector comprises of a ground level controller, detector head with auto-aligning feature, integral laser for rapid initial alignment and single prism. An additional detector head can be added to the controller.

- Auto-compensates for building movement and contamination
- Integral laser and auto-align enable quicker installation
- Low-level system controller with LCD display and user-friendly interface
- Approvals: VdS

29650-069: Auto-Aligning Beam Detector 8-50m

29650-070: Auto-Aligning Beam Detector Additional Head 8-50m

29600-526: Auto-Aligning Beam Detector Extension Kit 100m

29600-527: Auto-Aligning Beam Detector Universal Bracket for Heads and Prisms

29600-528: Auto-Aligning Beam Detector Surface Mounting Plate for Prisms

29600-529: Auto-Aligning Beam Detector Mounting Plate (4 Prisms) 100m

29600-530: Auto-Aligning Beam Mounting Plate (1 Prism) 8-50m

Intelligent Reflective Beam Detector



The Intelligent Reflective Beam Detector differs from a traditional beam detector in that it is a single unit which houses a transmitter, a receiver and the control electronics.

- Loop-powered
- Compatible with Discovery and XP95 protocols
- Incorporates a short-circuit isolator
- Automatic drift compensation
- Automatic reset following alarm or fault condition
- Approvals: VdS

55000-268APO: Intelligent Reflective Beam Detector 5-50m

55000-273APO: Intelligent Reflective Beam Detector 50-100m

Conventional End to End Beam Optical Beam Detector



The Conventional End-to-End Optical Beam Detector ideal for applications where line of sight for the IR (infra-red) detection path is narrow and where the building structure uses reflective surfaces.

- Full icon-based, easy-to-use LCD display
- Aesthetically pleasing to suit modern architectural buildings and heritage sites
- Range 5 to 120 metres
- Separate Fire/Fault Relays per Detector
- Selectable sensitivity/threshold levels

29600-929: Conventional End to End Beam Optical Beam Detector



Notes

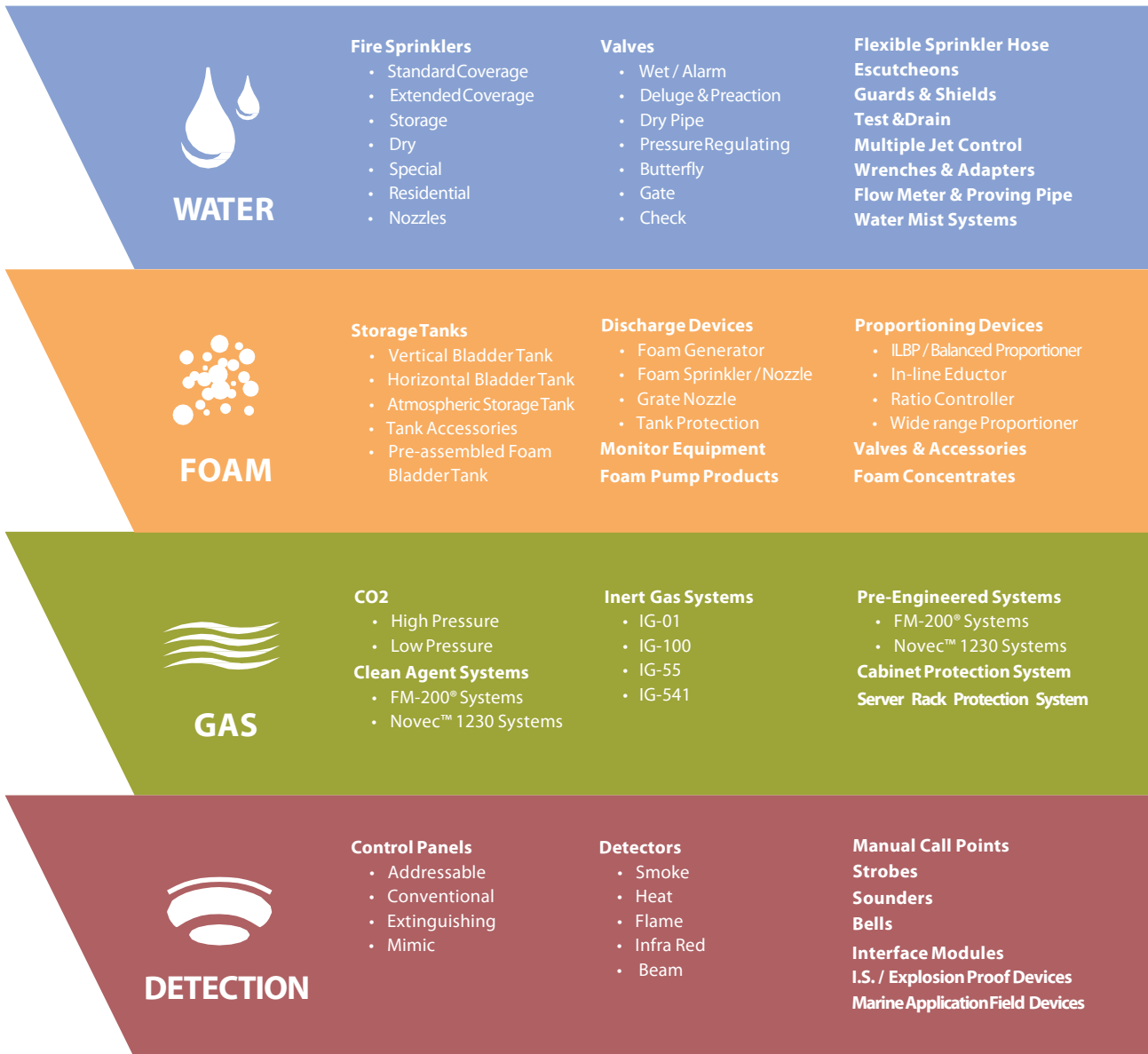


Notes

PRODUCTS & SOLUTIONS

To address a wide spectrum of fire risk and challenges, Viking offers a broad and comprehensive range of products, systems and solutions classified into these four product groups:

- **Water** - Water based fire suppression technologies
- **Foam** - Foam based fire suppression technologies
- **Gas** – Gaseous and clean agent based fire suppression technologies
- **Fire Alarm & Detection** - Fire detection and warning technologies



VIKING ASIA NETWORK

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