

**XP95**

The XP95 range of analogue addressable fire detectors combines proven design with performance and has unique features that benefit the installer and end user.

The range features smoke detectors (optical and ionisation), standard and high temperature heat detectors and a multisensor. Beam detectors, flame detectors, manual call points, audio visual signalling devices, Interface units and Isolators complete the range. XP95 has a 'central intelligence' system where all the decisions are made by the control panel.

Apollo has always used an open protocol since 1986 and has ensured backward compatibility when developing new products. An open protocol allows freedom of choice for the fire system specifier, installer and end user. A system using a digital protocol has a high immunity from corruption and is therefore often preferred in a large system where life is critical. XP95 is suitable for medium to large applications with simple installation requirements.

#### Key features of XP95 include:

- Alarm flag for fast alarm reporting
- Alarm address for fast location of alarm
- XPERT card addressing
- Electronics-free base
- Easy installation
- Elegant design
- Insect resistant



Find out more about the XP95 range at [www.apollo-fire.co.uk/xp95](http://www.apollo-fire.co.uk/xp95)

For all your fire detection products: [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk) +44 (0) 2392 492 412



For all your fire detection products: [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk) +44 (0) 2392 492 412



## Optical Smoke Detector



The XP95 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

**55000-600**  
XP95 Optical Smoke Detector

**55000-660**  
XP95 Optical Smoke Detector (black)

**55000-620**  
XP95 Optical Smoke Detector (VdS)

## Multisensor Detector



The XP95 Multisensor Detector contains an optical smoke sensor and a thermistor temperature sensor whose outputs are combined to give the final analogue value.

- Sensitive to a wide range of fires
- Well suited for environments such as hotel bedrooms
- Unaffected by wind or atmospheric pressure

**55000-885**  
XP95 Multisensor Detector

## Ionisation Smoke Detector



The XP95 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
- Minimal effects from temperature, humidity, atmospheric pressure
- Well protected against electromagnetic interference over a wide frequency range

**55000-500**  
XP95 Ionisation Smoke Detector

**55000-560**  
XP95 Ionisation Smoke Detector (black)

**55000-520**  
XP95 Ionisation Smoke Detector (VdS)

## Heat Detector



The XP95 Heat Detector monitors temperature by using a single thermistor which provides a count output proportional to the external air temperature. The XP95 range features two heat detectors, standard and high temperature. The standard heat detector is classified as an A2S device and will report an alarm at 55°C. The high temperature detector, classified as a CS device, will report an alarm at 90°C.

- 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

**55000-400**  
XP95 Heat Detector A2S

**55000-420**  
XP95 Heat Detector A2S (VdS)

**55000-401**  
XP95 Heat Detector CS

## Intelligent Mounting Base



All detectors in the XP95 range fit the Intelligent mounting base. The Mounting Base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT cards are supplied with all bases.

- XPERT addressing
- One way fit of detector
- Locking feature to prevent unauthorised removal

**45681-210**  
Intelligent Mounting Base

**45681-361**  
Intelligent Mounting Base (black)

## Isolating Base



The new style Isolating Base senses and detects short-circuit faults on XP95 loops and spurs.

- Up to 20 detectors or their equivalent load, may be installed between Isolating bases
- High brightness LED

**45681-284** Isolating Base

## Isolator Base



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

- Only accepts Isolators

**45681-211** Isolator 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 using patented technology
- Minimises disruption from short-circuits
- Automatic de-isolation on short-circuit removal
- Up to 20 detectors or their equivalent load, may be installed between Isolators

**55000-720** Isolator (uses 45681-211 Isolator Base)

A combined total of 1,150 XP95 devices were used to protect the Ministry of Finance Headquarters in Abu Dhabi (page 131) and Manchester Piccadilly Station (page 156), find out more in our case studies.



Please check the Apollo website on a regular basis for up-to-date approvals information.

## Intelligent Low Power Relay Base



The Low Power Relay Base incorporates a low power relay to control field equipment.

- Provides a set of voltage-free contacts controlled by the remote output of a detector
- Draws negligible current
- Capable of switching up to 30V at 1A

45681-242 Intelligent Low Power Relay Base

## Intelligent Deep Base



The Intelligent Deep Base is a mounting base for XP95 products which has an increased depth allowing for cables to be inserted from the side.

- Enables surface wiring

45681-209 Intelligent Deep Base

## Intelligent Heater Base



The Intelligent Heater Base is designed to be used in cold climates where environmental conditions could result in either icing or condensation affecting the operation of detectors. It is recommended that the heater base be used in conjunction with either a Waterproof Base Cover or Deckhead Mounting Box to minimise moisture ingress.

- Raises the ambient temperature of a detector chamber by approximately 10°C
- Limits the risk for loss of functionality caused to detectors installed in cold conditions

45681-219 Intelligent Heater Base  
45681-519 Waterproof Base Cover  
45681-217 Deckhead Mounting Box

## MiniDisc Remote Indicator



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

- Can be used across the entire Apollo Range
- Anti-tamper screw to protect against unauthorised removal

53832-070 MiniDisc Remote Indicator

## Blank XPERT Card



A universal address card supplied with all 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

38531-771 Blank XPERT Card

## Pre-Addressed XPERT Cards



Pre-Addressed XPERT Cards are supplied with pips already removed.

- Saves time and increases accuracy during commissioning
- Uses patented, proven technology
- Address remains the same, no matter how often detectors are replaced
- Complete set (1-126)

45682-127 Pre-Addressed XPERT Cards 1-126

## Multi-Tone Open-Area Sounder



The Multi-Tone Open-Area Sounder is designed for use in open areas and can be connected to any Discovery or XP95 system.

- Updated to include choice of tones: Apollo, Slow Whoop and DiN
- Two volume settings 92dB(A) and 100dB(A)
- Synchronisation of tones
- Individual and group addressing
- Loop-powered
- Red or white options
- IP21C rated
- IP66 rated (weatherproof versions)

Multi-Tone Open-Area Sounder:  
55000-278 Red  
55000-279 White  
Weatherproof Multi-Tone Open-Area Sounder:  
55000-274 Red  
55000-275 White

## Intelligent Open-Area Sounder



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

- Self-test fault monitoring
- Choice of tones on standard device: Apollo, 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

55000-001 Intelligent Open-Area Sounder red  
55000-002 Intelligent Open-Area Sounder white

Please check the Apollo website on a regular basis for up-to-date approvals information.

For all your fire detection products [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk) +44 (0) 2392 492 412

For all your fire detection products [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk) +44 (0) 2392 492 412

Intelligent  
Open-Area  
Beacon

The Intelligent Open-Area Beacon has been developed for use in situations where there is a risk that sounders will not be heard.

- For use with XP95 & Discovery systems
- Self-test fault monitoring
- IP65 rated
- Individual and group addressing
- Synchronisation of flashes
- Comes with Isolating Base as standard
- Loop-powered
- Red and clear lens options

**55000-009** Intelligent Open-Area Beacon (red lens)  
**55000-010** Intelligent Open-Area Beacon (clear lens)

XP95  
Manual  
Call Point

The address of each call point is set at the commissioning stage by means of a seven-segment DIL switch. The device features 'Plug and Play' terminal connections and a resettable element.

- 'Plug and Play' terminal connections for fast wiring
- Allow wiring continuity testing before fitting
- Reports an alarm in under 0.2 seconds
- Resettable element

**55100-905** XP95 Manual Call Point (surface)  
**55100-908** XP95 Manual Call Point with Isolator (surface)

Waterproof  
Manual  
Call Point

The Waterproof Manual Call Point has been designed for use outdoors and in places where moisture can occur. 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.

- IP67 rated
- 'Plug and Play' terminal connections for fast wiring
- Continuity link for wiring test before commissioning
- Reports an alarm in under 0.2 seconds
- Resettable element

**58100-950** Waterproof Manual Call Point  
**58100-951** Waterproof Manual Call Point with Isolator  
**58100-953** Waterproof Manual Call Point with Isolator (yellow) †

Manual Call Point  
(Non-Standard)

Apollo offers a selection of differently coloured call points suitable for a variety of applications such as initiating a "hazard" rather than a fire alarm. They can be used on XP95 and Discovery systems.

- 'Plug and Play' terminal connections for fast wiring
- Continuity link for wiring test before commissioning
- Reports an activation in under 0.2 seconds
- Resettable element

Manual Call Point (Non-Standard):  
**58100-926** White (surface) †  
**58100-927** Yellow (surface) †  
**58100-928** Blue (surface) †  
**58100-929** Green (surface) †  
**58100-930** Orange (surface) †

† Non-standard variants of the Manual Call Point are not EN54-11 compliant and therefore cannot be used to signal fire.

Please check the Apollo website on a regular basis for up-to-date approvals information.

For all your fire detection products [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk) +44 (0) 2392 492 412

## Interfaces

Apollo manufactures a comprehensive range of interfaces for systems which enable fire protection solutions to be engineered simply and effectively without the need for custom-designed equipment. These interfaces are available for use on a Discovery or XP95 system.

For more information  
on each interface

see page 17

## 1 Standard Interfaces

## Input/Output Unit

**55000-847** Input/Output Unit

## Three Channel Input/Output Unit

**55000-588**  
Three Channel Input/Output Unit\*

## Output Unit

**55000-849** Output Unit

## Sounder Control Unit

**55000-852** Sounder Control Unit

## Switch Monitor

**55000-843** Switch Monitor

## Switch Monitor Plus

**55000-841** Switch Monitor Plus

## Zone Monitor

**55000-845** Zone Monitor

## Mains Switching Input/Output Unit

**55000-875**  
Mains Switching Input/Output Unit

## Locally Powered Zone Monitor

**55000-864**  
Locally Powered Zone Monitor

## 2 DIN-Rail Interfaces

## DIN-Rail Input/Output Unit

**55000-803** DIN-Rail Input/Output Unit

## DIN-Rail Output Unit

**55000-804** DIN-Rail Output Unit

## DIN-Rail Switch Monitor

**55000-822** DIN-Rail Switch Monitor

## DIN-Rail Mains Input/Output Unit

**55000-797**  
DIN-Rail Mains Input/Output Unit

## DIN-Rail Interface Enclosures

**29600-239**  
DIN-Rail Interface Enclosure (4 units)  
**29600-240**  
DIN-Rail Interface Enclosure (10 units)

DIN-Rail Sounder Controller  
(5 Amperes)

**55000-182**  
DIN-Rail Sounder Controller (5 Amperes)

## DIN-Rail Switch Monitor Plus

**55000-821**  
DIN-Rail Switch Monitor Plus

DIN-Rail Zone Monitor  
with Isolator

**55000-812**  
DIN-Rail Zone Monitor with Isolator

## DIN-Rail Dual Isolator

**55000-802** DIN-Rail Dual Isolator

## 3 Mini Switch Monitor

**55000-760** Mini Switch Monitor



\* Standard Enclosure specific to 3 Channel Input/Output Unit.

For all your fire detection products [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk) +44 (0) 2392 492 412