:::XP95®

INTELLIGENT SMOKE & HEAT DETECTORS

- **Open, Digital Protocol**
- **Alarm Flag for fast alarm reporting**
- **Alarm Address for fast location of alarm**
- **Automatic addressing with the patented XPERT card**
- **Electronics free base**
- **Slide-easy base**
- **Ease of installation**
- **Elegant design**

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apollo
WORLD CLASS FIRE SOLUTIONS

XP95

INTELLIGENT SMOKE & HEAT DETECTORS

XP95 Optical Detector
The XP95 optical smoke detector uses an internal pulsing LED and a photo-diode at an obtuse angle. In clear air conditions the photo-diode in the XP95 detector receives no light from the LED and produces a corresponding analogue signal. The signal increases when smoke enters the chamber and light is scattered onto the photo-diode. The optical smoke detector is externally identical to the ionisation detector but is distinguished by having a clear indicator LED which emits red light when the detector is in alarm.

Part No.   55000-600 XP95 Optical Smoke Detector

XP95 Heat Detector
The XP95 heat detector is distinguishable from the smoke detectors by its low air-flow resistance case which allows good contact between the sensing thermistor and the surrounding air.
The device monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.

Part Nos. 55000-400 XP95 Heat Detector A2S
**   55000-401 XP95 Heat Detector CS**

XP95 Multisensor Detector
The XP95 Multisensor detector combines inputs from optical and heat sensors and processes them using a sophisticated algorithm. It is designed to be sensitive to a wide range of fires and may be used in place of an ionisation detector in many instances. The detector's construction is similar to that of the optical detector but uses a different lid and optical mouldings to accommodate the thermistor temperature sensor.

Part No.   55000-885 XP95 Multisensor Detector

XP95 Ionisation Smoke Detector
The air in the dual chambers of the XP95 ionisation smoke detector is irradiated to produce ions that travel to the positive and negative electrodes and hence create a current flow in the chambers. Smoke entering the outer chamber causes a drop in the current flow and an increase in the voltage measured at the junction between the outer and inner chambers. The analogue voltage signal produced in the sensing chamber is converted to a digital signal by the electronic circuitry and transmitted to the control equipment on interrogation. The micro-processor in the control equipment then compares the signal with the stored data and initiates a pre-alarm or fire alarm as smoke density increases. When the equipment determines that a fire condition exists, it instructs the detector to switch on its indicator LED and the pre-planned alarm routine is initiated.

Part No.   55000-500 XP95 Ionisation Smoke Detector

XP95 Flame and Beam Detector
A range of flame and beam detectors are also available. For more information refer to the website www.apollo-fire.co.uk

Intrinsically Safe Detector
XP95 Intrinsically Safe (IS) detectors include all the benefits of the standard XP95 range, but are developed specifically for use in hazardous areas. This range includes ionisation and optical smoke detectors, heat detectors and manual call points, BASEEFA approved to E EX ia IIC T5. XP95 IS detectors and manual call points are approved by a number of marine classification societies. These include Marine Equipment Directive (MED), Lloyds Register of shipping (LR) and many more which can be viewed on our web site. For more information, please refer to Apollo publications PP1094 and PP1095.

Part No.   55000-640 IS Optical Smoke Detector
**   55000-540 XP95 IS Ionisation Smoke Detector**
**   55000-440 XP95 IS Heat Detector**

Sounders, Beacons & Sounder Beacons
There is a wide choice of devices for audible and visual alarm signalling. Sounders and beacons are available separately and as a combined sounder beacon unit. For more information, please refer to Apollo's website.

XP95 Manual Call Point
When activated, the XP95 manual call point not only interrupts the polling cycle to indicate to the control panel that it has been operated, but also reports its address. Thus an alarm and its position can be reported in less than 0.2 seconds.

Part Nos. 55100-905 XP95 Manual Call Point (surface)
**   55100-908 XP95 Manual Call Point with isolator (surface)**
**   58100-950 Waterproof Manual Call Point**
**   58100-951 Waterproof Manual Call Point with Isolator**

Bases
A wide range of bases is available. For more information, please refer to the Apollo publication PP1089.

For more information visit www.apollo-fire.co.uk

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