

Description:

The XP95 photo optical detector continuously monitors the environment for contamination of clean air by smoke particles. This facilitates early warning of incipient fires.

When polled, the equivalent obscuration level is transmitted to the fire indicator panel. The information is carried along the detection loop in an analogue format by way of 'counts'.

The XP95 photo optical detector shares the same mechanical dimensions and colour to other detectors in the XP95 range of products. It would be mounted on an XP95 universal detector base.



XP95 PHOTO OPTICAL DETECTOR

Technical

The device monitors contamination of clean air by using an optical arrangement. It uses an internal pulsing LED and a photo-diode at an obtuse angle. In clear conditions the photo-diode in the XP95 detector receives no light from the LED and produces a corresponding signal. This signal increases when smoke enters the chamber and light is scattered onto the photo-diode. The signal is processed by the electronic circuitry and transmitted to the control equipment via the detection loop.

Through the use of the **ConfigManager**, and features offered by Ampac's **FireFinder™** the user can program the fire indicator panel, to recognise this detector as a photo optical type.

"Day / night" facility is also available. This feature offers the automatic adjustment of detector sensitivity at specific times of day.

The Apollo XP95 is to be used in conjunction with an XP95 universal base that has the unique XPert card that is keyed to set the address of the detector.

Application

- Computer rooms
- Living area
- Warehouses

Specifications

Detector Type	Photo optical smoke
Communication	Apollo XP95
Supply Wiring	2 wire, polarity insensitive
Supply Voltage	17 to 28 volts
Quiescent current	340µA
Alarm analogue value	55 (approximate)
Remote Alarm o/p	4mA max
Storage Temperature	-30° C to 80° C
Humidity	0% to 95%
Approvals	C-Tick, SSL
Alarm Indicator	Single clear LED – red when on
Compatible Base	XP95 Universal Base
Product Code	201-0003

N.B.: It is highly recommended that the Apollo mounting block (Product Code 201-0101) is used for surface mounted detectors for correct fit and reliability.