XP95 I.S. Optical Smoke Detector [SIL2]

Part No.	55000-640SIL
Manufacturer	Apollo

Image not provided

Summary

Optical smoke detectors incorporate a pulsing LED located in a labyrinth within the housing of the detector. The labyrinth is designed to exclude light from any external source. At an angle to the LED is a photo-diode which, in clear air conditions, does not receive light directly from the LED. The detector transmits a clear air signal to the control panel. When smoke enters the labyrinth, light is scattered onto the photo-diode and the signal to the panel increases. The signal is processed by the electronic circuitry and transmitted to the control equipment in exactly the same way as in the case of the ionization smoke detector. Responds well to slowburning, smouldering fires Well-suited to escape routes Unaffected by wind or atmospheric pressure

Specifications

Manufacturer approvals / certifications	CPR	colour	White
Manufacturer approvals / certifications	MED	detection principle	Photo-electric light scattering.
Humidity	0% to 95% (no condensation or icing)	fire type	Slow burning, smouldering fires
Humidity (max)	95%, RH	manufacturer status	This product is now obsolete
Humidity (min)	0%, RH	materials housing	Polycarbonate
Humidity Note	no condensation or icing	quiescent current	340µA
Polarity	L1 &, L2 are polarity sensitive	sensor configuration	Horizontal optical bench housing infra-red emitter and sensor, arranged radially to detect forward scattered light.
Protocol voltage	5 to 9V peak to peak	warranty	10 year
Protocol voltage (max)	9V	Dimensions — diameter	100mm
Protocol voltage (min)	5V	Dimensions — diameter	3.94in
Quiescent current tested at	24V dc	Weight —	105g
applications	Escape routes, Hazardous areas, Medium to large buildings, Offshore platforms, Refineries		