

XPander

Optical Smoke Detector and Mounting Base



Product overview

Product	XPander Optical Smoke Detector with Mounting Base
Part No.	XPA-CB-12034-APO
Digital communication	XP95, Discovery and CoreProtocol® compatible

Compliance



Product information

The Xpander Optical Smoke Detector works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely. The XPander Optical Smoke Detector is rigorously calibrated so that it is highly reliable in detecting fires but has enhanced immunity in respect of false alarms.

- Wireless
- Performs well in black and white smoke
- Bi-directional (monitored) radio communications
- XPERT card addressing system
- Five year battery life using alkaline Panasonic® Powerline or Varta® Industrial AA batteries

Technical data

All data is supplied subject to change without notice. Specifications are typical at 24V, 25°C and 50% RH unless otherwise stated.

Detection principle	Photo-electric detection of light scattered in a forward direction by smoke particles				
Chamber configuration	Horizontal optical bench housing an infrared emitter and sensor arranged radially to detect forward scattered light				
Sampling frequency	Once every four seconds				
Alarm indicator	Integral indicator 360° visibility				
Operating temperature	-10°C to 50°C				
Humidity	0% to 95% RH (no condensation or icing)				
Effect of atmospheric pressure	None				
Effect of wind	None				
Vibration, impact and shock	EN54 - 7				
Designed to IP Rating	IP23D				
Standards and approvals	EN 54-7, CPR				
Dimensions	<table border="0"> <tr> <td><i>Detector only</i></td> <td>100 mm diameter x 30 mm high</td> </tr> <tr> <td><i>Detector and base</i></td> <td>100 mm diameter x 75 mm high</td> </tr> </table>	<i>Detector only</i>	100 mm diameter x 30 mm high	<i>Detector and base</i>	100 mm diameter x 75 mm high
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Weight	<table border="0"> <tr> <td><i>Detector only</i></td> <td>100 g</td> </tr> <tr> <td><i>Detector and base</i></td> <td>500 g</td> </tr> </table>	<i>Detector only</i>	100 g	<i>Detector and base</i>	500 g
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Materials	White flame-retardant polycarbonate				
Recommended 'AA' batteries to achieve five year battery life	Panasonic® Powerline Varta® Industrial				

EMC Directive 2014/30/EU

The XPander Optical Smoke Detector complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

A copy of the Declaration of Conformity is available from the Apollo website: www.apollo-fire.co.uk.

Conformity of the XPander Optical Smoke Detector with the EMC Directive, does not confer compliance with the directive on any apparatus or systems connected to them.

Construction Products Regulation 305/2011/EU

The XPander Optical Smoke Detector complies with the essential requirements of the Construction Products Regulation 305/2011/EU.

A copy of the Declaration of Performance is available from the Apollo website: www.apollo-fire.co.uk

Radio Equipment Directive 2014/53/EU

The XPander Optical Smoke Detector complies with the essential requirements of the Radio Equipment Directive 2014/53/EU provided that it is used as described in this data sheet.

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