

XPander

Heat Detector with Mounting Base



Product overview

Product	XPander Heat Detector - A1R - with Mounting Base
Part No.	XPA-CB-11170-APO
Product	XPander Heat Detector - CS - with Mounting Base
Part No.	XPA-CB-11171-APO
Digital communication	XP95, Discovery and CoreProtocol® compatible

Compliance



Product information

The XPander range has two heat detectors to suit operating conditions in which smoke detectors are unsuitable. The A1R detector is classified as a rate-of-rise detector and the CS detector is classified as a static detector.

Choosing the right detector

The choice of the right type of detector for a particular application is important. Use the A1R where sudden increases of heat do not occur in normal circumstances. Otherwise use the CS detector.

- Wireless
- Can be used in applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under normal conditions
- CS detectors are ideal for use in environments with rapid temperature fluctuations such as boiler rooms
- 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	Measurement of heat by means of a thermistor				
Sampling frequency	Once every two seconds				
Digital communication	XP95, Discovery and CoreProtocol compatible				
Supply voltage	Regulated 3V from radio base				
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 - 5				
Designed to IP Rating	IP23D				
Standards and approvals	EN 54-5, CPR				
Dimensions	<table border="0"> <tr> <td>Detector only</td> <td>100 mm diameter x 30 mm high</td> </tr> <tr> <td>Detector and base</td> <td>105 mm diameter x 80 mm high</td> </tr> </table>	Detector only	100 mm diameter x 30 mm high	Detector and base	105 mm diameter x 80 mm high
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Weight	<table border="0"> <tr> <td>Detector only</td> <td>80 g</td> </tr> <tr> <td>Detector and base</td> <td>400 g</td> </tr> </table>	Detector only	80 g	Detector and base	400 g
Detector only	80 g				
Detector and base	400 g				
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 Heat Detector complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this data sheet.

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

Conformity of the XPander Heat 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 Heat 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 Heat Detectors comply with the essential requirements of the Radio Equipment Directive 2014/53/EU provided that they are used as described in this data sheet.

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