

# 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 3 V 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	<div>Detector only</div> <div>Detector and base</div> <div>100 mm diameter x 30 mm high</div> <div>105 mm diameter x 80 mm high</div>
Weight	<div>Detector only</div> <div>Detector and base</div> <div>80 g</div> <div>400 g</div>
Materials	White flame-retardant polycarbonate
Recommended AAbatteries 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](http://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](http://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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