



PANASONIC

Panasonic 4318W combined heat detector

Product code 41421 · Fire alarm systems > Field devices > Conventional detectors

Conventional combined heat detector with a fixed alarm threshold of 59 °C and a rate-of-rise function (class A1R). Connected to a detection zone of the fire alarm control panel.

- Class A1R: fixed alarm threshold 59 °C and rate-of-rise function
- Rate-of-rise alarm with a rise of more than 6 °C per minute
- Latching alarm: the LED stays lit until reset at the control panel
- Connection for an external indicator, e.g. 2218
- Approved to EN 54-5



Product description

Panasonic 4318W is a white conventional combined heat detector, class A1R. It gives an alarm when the temperature reaches the fixed alarm threshold (59 °C, operating range 54–65 °C) or when the temperature rises rapidly, by more than 6 °C per minute. The detector is intended for dry indoor premises. It can be used in EBL512 G3, EBL128 and EBL512 systems.

The sensing element is a thermistor. The alarm is latching: even if the temperature drops after an alarm, the detector LED and any connected external indicator stay lit until the alarm is reset at the fire alarm control panel. The quiescent current of the detector is only 0.015 mA.

Installation

The detector is fitted in mounting base 2324, to which the detection zone and any external indicator (e.g. 2218, terminals E+ and E-) are connected. The detector is pressed into the base with the markings aligned and turned clockwise. An end-of-line device is connected to the last device in the zone; its type depends on the control panel and the zone input. The conductor size for the base is Ø 0.65–1.6 mm (0.3–2 mm²). Operation can be tested with, for example, Solo or Testifire test equipment.

Technical data

Product code	41421
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > Conventional detectors
Colour	White (Munsell 10Y9/0.5)
Weight	54 g
Dimensions	Ø 102 × 39 mm

Operating temperature	-10...+50 °C
EN 54 approval	EN 54-5 (A1R)
CPR	0786-CPR-21198
Storage temperature	-25...+70 °C
Humidity	Max. 95% RH, non-condensing
Material	Modified polycarbonate
IP rating	IP51
Operating voltage	10–30 V DC (nominal 24 V DC)
Current consumption (quiescent)	0.015 mA
Alarm temperature	59 °C (operating range 54–65 °C)
Rate of rise	6 °C/min
Detector class	A1R
Short-circuit isolator	No
Mounting	In base 2324
Standards	EN 61000-6-3, EN 50130-4, EN 50581 (RoHS)

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Technical datasheet: 4318W combined heat detector

Certificate: EU declaration of conformity, no. ESSC-F00013-08

Certificate: Declaration of performance (DoP), no. 0786-CPD-21198 (document ID ESSC-FP0013-7)

Certificate: CPR certificate of constancy of performance, no. 0786-CPR-21198

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4318w-dm-lampoilmaisin-konv-valkoinen/