



PANASONIC

Panasonic 4400W multi-sensor detector

Product code 41311 · Fire alarm systems > Field devices > Detectors

Analogue addressable multi-sensor detector with an optical smoke detector and a heat detector in the same low-profile housing. AI-based fire decision and a learning function reduce false alarms.

- Optical smoke and heat detection in one detector
- Also detects alcohol fires (EN 54-9, TF6)
- Learning function selects the alarm algorithm that suits the room
- Smoke detection can be disabled, e.g. by a time channel
- Connection for an external indicator via the mounting base
- Approved to EN 54-5 and EN 54-7



Product description

Panasonic 4400W is a white analogue addressable multi-sensor detector with an optical smoke detector and a thermistor-based heat detector in the same low-profile housing. Thanks to heat detection, the detector also detects alcohol fires (EN 54-9, test fire TF6), which an optical smoke detector alone does not normally detect. The detector is intended for dry indoor premises.

In Advanced mode, the fire decision is made in the detector using artificial intelligence, combining smoke density, a fixed temperature threshold (57 °C) and the rate of temperature rise. This helps reduce false alarms caused by, for example, artificial smoke or oil mist. There are five room algorithms: normal, smoke/steam, clean, heater and cooking/welding. The learning function monitors local conditions for about a month and switches to a more suitable algorithm if needed, or the algorithm is set manually in EBLWin. The detector compensates for contamination and gives a service signal when it needs to be replaced. Smoke detection can be temporarily disabled either manually or by a time channel, while heat detection remains in operation.

Installation and compatibility

- Fitted in analogue mounting base 3312x, 4313 or base sounder 3379
- The COM loop and an external indicator are connected to the mounting base
- Locking screw included (1,5 mm hex socket); the hole is drilled
- Address 001-253 is set with tool 4414 or 4414E before connection to the loop
- Advanced mode: EBL512 G3 and EBL128 V $\geq$ 2.0, EBLOne V $\geq$ 3.3; NORMAL mode EBL512 G3 and EBL128

Technical data

Product code	41311
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > Detectors

Colour	White (Munsell 10Y9/0.5)
Weight	75 g
Dimensions	Ø 102 × 41 mm
LED	2 red (alarm), 1 green (polling)
Operating temperature	-10...+50 °C
EN 54 approval	EN 54-5, EN 54-7
CPR	0786-CPR-21172
Storage temperature	-25...+75 °C
Humidity	Max. 95% RH, non-condensing
Material	Polycarbonate blend
IP rating	IP41
Operating voltage	12–30 V DC (nominal 24 V DC)
Current consumption (quiescent)	0.3 mA (+0.025 mA with green polling LED)
Current consumption (alarm)	1.3 mA (1.8 mA with external indicator)
Alarm temperature	57 °C
Address range	001–253
Short-circuit isolator	No
Compatibility	EBL512 G3, EBL128, EBLOne (Advanced V ≥ 3.3)
Mounting	In base 3312x, 4313 or 3379
Standards	EN 61000-6-3, EN 50130-4, EN IEC 63000 (RoHS)

Documents

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

Technical datasheet: 4400W multi-sensor detector

Certificate: EU declaration of conformity, no. ESSC-F00001-10

Certificate: CPR certificate of constancy of performance, no. 0786-CPR-21172

Certificate: Declaration of performance (DoP), no. ESSC-FP0001-11 (Document No. 0786-CPD-21172 in the document)

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4400w-multi-ilmais-in-osoit/