



PANASONIC

Panasonic 4611 wireless optical smoke detector

Product code 41511 · Fire alarm systems > Field devices > Wireless devices

Wireless optical smoke detector for Panasonic EBL fire alarm systems. The detector communicates via base unit 4620 and suits sites where cabling is difficult.

- Wireless 868 MHz, range up to 170 m in open space
- Built-in programmable buzzer, over 85 dB
- Battery life approx. 6 years in normal use
- Registered to base unit 4620, max. 16 units per base unit
- Removal monitoring and contamination compensation
- EN 54-7 and EN 54-25



Product description

Panasonic 4611 is a wireless optical smoke detector connected to an addressable EBL fire alarm system (EBL128, EBLOne or EBL512 G3) via addressable base unit 4620. It suits buildings where cables are difficult to conceal, as well as system extensions and temporary premises.

The detector works on the light-scattering principle: smoke passes through an insect mesh and a labyrinth into the measuring chamber, where an IR LED and a photodiode detect it. The alarm threshold is 3.5%/m. The detector automatically compensates for contamination and gives a service warning when the compensation exceeds 2%/m. The built-in buzzer is programmed in EBLWin for three priority levels. Removal of the detector from its mounting base and a drop in battery voltage are shown as faults on the control panel.

Installation

The detector is mounted on the ceiling in the mounting base supplied, and its adjustable antenna is pointed towards the base unit. Each detector uses one COM loop address, and a maximum of 16 wireless units can be registered to one base unit. The device is powered by two 3 V lithium batteries 4612, which are included in the delivery. It is advisable to check the signal quality at the installation site with the wireless network planning tool 4613. Reinforced concrete strongly attenuates the signal, so a separate base unit is recommended for each floor.

Technical data

Product code	41511
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > Wireless devices
Colour	White
Weight	165 g (with batteries)
Dimensions	Ø 100 × 45 mm (without antenna), antenna 55 mm

Battery	2 × 3 V lithium, 1,600 mAh (4612)
Frequency range	868 MHz
Operating temperature	-10...+55 °C
Alarm sound	> 85 dB
EN 54 approval	EN 54-7, EN 54-25
CPR	0786-CPR-21392
Material	ABS, polycarbonate
IP rating	IP50
Service life	Batteries approx. 6 years in normal use
Current consumption (quiescent)	30 µA (average)
Range	Up to 170 m in open space (EN 54-25)
Sensitivity	3.5%/m
Humidity	Max. 95% RH, non-condensing

Documents

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

Technical datasheet: 4611, 4613, 4620 wireless system

Certificate: Declaration of performance (DoP), no. 0786-CPR-21392 (document ID ESSC-FP0025-7)

Certificate: CPR certificate of constancy of performance, no. 0786-CPR-21392

Certificate: EU declaration of conformity, no. ESSC-F00025-09

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4611-savuilmaisin-langaton-osoitteelline/