



PANASONIC

Panasonic 4620 addressable base unit for wireless devices

Product code 41519 · Fire alarm systems > Field devices > Wireless devices

Addressable base unit for connecting wireless detectors and call points to the COM loop of a Panasonic EBL fire alarm system. One base unit serves a maximum of 16 wireless units.

- Max. 16 wireless units per base unit
- Max. 4 base units per COM loop
- Range up to 170 m in open space (EN 54-25)
- Built-in short-circuit isolator
- Backup channels in case of interference
- EN 54-17, EN 54-18 and EN 54-25



Product description

Panasonic 4620 is an addressable base unit that connects wireless devices – smoke detector 4611, manual call point 4614 and acknowledgement button 4645 – to the COM loop of an EBL128, EBLOne or EBL512 G3 fire alarm control panel. The wireless system can be used to extend the fire alarm system at sites where cabling is difficult.

The base unit communicates with each wireless unit every two minutes on the selected transmission channel (0–3). If no response is received, the base unit also activates four backup channels and the unit responds on the best channel. A fire alarm is passed to the control panel without delay, and the control panel controls the detector indicator and buzzer. The base unit has two built-in antennas and its own short-circuit isolator, which does not use a separate loop address.

Installation

The base unit is mounted vertically in a central location relative to the wireless units. In addition to the COM loop, it requires a 24 V DC supply from the control panel or external power supply 4466, with a cable of max. 3 metres. Connections are made to push-in terminals (conductor Ø 0.6–1.2 mm). For automatic addressing, the base unit is given address 144, 161, 178 or 195. Adjacent devices operating on different channels must be more than 2 metres apart. Reinforced concrete strongly attenuates the signal, so a separate base unit is recommended for each floor. It is advisable to check the signals with planning tool 4613.

Technical data

Product code	41519
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > Wireless devices
Weight	345 g

Dimensions	240 × 150 × 31 mm
Operating temperature	-10...+55 °C
Operating voltage	12-30 V DC (nominal 24 V DC), external supply and COM loop
Frequency range	868 MHz
EN 54 approval	EN 54-17, EN 54-18, EN 54-25
VdS approval	G214075
CPR	0786-CPR-21393
Colour	White
Material	ABS
IP rating	IP50
Current consumption (quiescent)	External supply max. 40 mA, COM loop 4.5 mA (max. 6 mA)
Range	Up to 170 m in open space (EN 54-25)
Capacity	16 wireless units / base station, 4 base stations / COM loop
Humidity	Max. 95% RH, non-condensing
Connection	Push-in terminals, conductor Ø 0.6-1.2 mm

Documents

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

Technical datasheet: 4620 addressable base station

Certificate: EU declaration of conformity, no. ESSC-F00026-04

Certificate: Declaration of performance (DoP), no. 0786-CPR-21393 (document ID ESSC-FP0026-5)

Certificate: CPR certificate of constancy of performance, no. 0786-CPR-21393

Certificate: VdS approval, no. G 214075

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4620-keskitin-langattomille-osoitteellin/