



PANASONIC

Panasonic 4409 IP67 TVK heat detector

Product code 50028 · Emergency lighting > Field devices

Enclosed analogue heat detector for outdoor areas and damp indoor spaces, IP67. The TVK version has additional terminals for the emergency lighting supply voltage.

- Watertight IP67, operating temperature down to -20 °C
- Alarm classes A1, A2S and BS selectable with EBLWin
- Approved to EN 54-5
- Connections for an external indicator
- Additional terminals for the emergency lighting supply voltage (TVK)
- Addressable, connected directly to the COM loop



Product description

Panasonic 4409 is an enclosed analogue heat detector intended for outdoor use and damp indoor premises. The detector measures temperature with a thermistor in the range 0–100 °C in 0.5 °C steps. The detector housing is watertight (IP67). The detector must not be exposed to strong sunlight or to temperatures below -20 °C.

In NORMAL mode, one of three alarm classes in accordance with EN 54-5 is selected for the detector with EBLWin:

- A1: alarm at 56 °C (rate of rise ≤ 4 °C/min) or 46 °C (rate of rise > 4 °C/min)
- A2S: alarm at 60 °C
- BS: alarm at 74 °C

The detector indicator lights up in an alarm and flashes once a second for as long as no address has been set. One external indicator, for example 2218, can be connected to terminals E+ and E-.

Installation

The detector is mounted on the ceiling on a junction box, into which the cables are brought through compression glands; for cables under 6 mm, the rubber tube supplied is used. The COM loop address (001–253) and mode are set with address setting tool 4414/4414E before connection to the loop. The detector works with EBL512 G3, EBLOne and EBL128 control panels. Test equipment such as Solo or Testifire can be used for testing.

TVK version

According to the product information, the TVK version has extra terminals for the emergency lighting power supply. This allows the 24 V emergency lighting supply line to be routed through the device along the same route as the COM loop, for example when MX emergency luminaires and exit signs are used.

Technical data

Product code	50028
Manufacturer	Panasonic
Product group	Emergency lighting > Field devices
Dimensions	Ø 100 × 78 mm
Weight	112 g
Operating temperature	-20...+50 °C (A1, A2S), -20...+65 °C (BS)
Storage temperature	-45...+70 °C
Humidity	Max. 95% RH, non-condensing
IP rating	IP67
Colour	Grey (Munsell N8)
Material	Modified polycarbonate
Operating voltage	12–30 V DC (nominal 24 V DC)
Current consumption (quiescent)	0.185 mA
Current consumption (alarm)	2.3 mA (≤ 3.65 mA with external indicator)
Alarm temperature	A1: 56 °C / 46 °C, A2S: 60 °C, BS: 74 °C
Address range	001–253
Short-circuit isolator	No
Mounting	Ceiling mounting on a junction box
Connection	Conductor 0.3–1.13 mm ² , external indicator E+/E–
EN 54 approval	EN 54-5 (A1, A2S, BS)
CPR	0786-CPR-21764
VdS approval	G 222045 (valid until 3 November 2026)
Standards	VdS 2344, VdS 2543, EN 61000-6-3, EN 50130-4, EN IEC 63000

Documents

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

Technical datasheet: Panasonic 4409 IP67 TVK heat detector

Product brochure: Panasonic 4409 IP67 TVK heat detector

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4409-ip67-tvk-lmpilm-osoitteellinen/