



PANASONIC

Panasonic 5000SPFI EBL512 G3, 4 loops, 512 alarm points

Product code 41030 · Fire alarm systems > Control equipment

Addressable EBL512 G3 fire alarm control panel with four COM loops and up to 512 alarm points. The panel includes a fire brigade panel and can be connected to a network of panels.

- 4 COM loops, each with up to 253 addresses
- Up to 1,012 addresses, of which up to 512 alarm points
- Sub-loops: up to 4 per COM loop (16 in total)
- Ring network of up to 30 panels over copper or fibre
- EN 54-2 and EN 54-4, CPR 0402-CPR-C500143 / C500142
- Battery space 2 × 12 V, 17–28 Ah; up to 65 Ah externally



Product description

Panasonic EBL512 G3 5000 is an addressable fire alarm control panel to which alarm points and other loop devices are connected via four COM loops. The panel shows fire alarms and faults on the fire brigade panel and on a graphical display, and it is operated from the keypad of the operating panel. The panel meets EN 54-2 and EN 54-4.

Capacity and connections

A total of 1,012 COM loop units (addresses) can be connected to the panel, of which up to 512 can be alarm points; the remaining addresses are available, for example, for alarm devices, I/O units and emergency and escape route luminaires. Each COM loop can take 253 addresses, and up to 128 short-circuit isolators can be connected to a loop. Each COM loop can have up to four sub-loops. The main board has four programmable, monitored 24 V voltage outputs (So–S3), two programmable relay outputs (Ro–R1), four programmable inputs (Io–I3) and changeover contact outputs for fire and fault transmission.

Network and commissioning

Several panels are connected to each other with the network board 5040 (EBL ring network, up to 30 panels, copper RS-422 or fibre) or with the TLON interface board 5090. Programming is done with the EBLWin software via the panel's USB port, and a web server or gateway can be connected to the RS-232 port.

Installation

The panel is intended for dry indoor spaces (–5...+40 °C, IP30). Standby power is provided by two 12 V VRLA batteries (17–65 Ah); batteries over 28 Ah are placed outside the panel with a cable of no more than 2 metres. The cabinet can be mounted on a wall or in a 19" rack with the mounting plate 5020.

Technical data

Product code	41030
Manufacturer	Panasonic
Product group	Fire alarm systems > Control equipment
COM loop	4
Sub-loops	Max. 4 per COM loop (16 in total)
Programmable voltage output	4 (S0–S3), 24 V DC, supervised, ≤ 0.5 A
Relay output	2 programmable (R0–R1), NO/NC, 2 A / 30 V DC; plus changeover contacts for fire and fault routing
Supervised input	4 programmable (I0–I3)
Voltage output	6
Weight	23.1 kg (without printer and batteries)
Dimensions	628 × 438 × 187 mm (H × W × D)
Battery	2 × 12 V VRLA, 17–28 Ah inside the panel; max. 2 × 65 Ah in an external battery enclosure
IP rating	IP30
Operating temperature	–5...+40 °C (indoor use only)
EN 54 approval	EN 54-2, EN 54-4, EN 54-13
CPR	0402-CPR-C500143, 0402-CPR-C500142
Capacity	Max. 1,012 addresses, of which max. 512 alarm points; 253 addresses / COM loop
Short-circuit isolators	Max. 128 per COM loop
COM loop current	Max. 350 mA / COM loop, loop voltage 25.0 V ±1.5 V
Operating voltage	230 V AC (195–253 V), 50 Hz; system voltage 24 V DC
Material	Metal enclosure, aluminium-zinc coating AZ150
Colour	Light grey (NCS S 1500-N) and aluminium
Humidity	Max. 95% RH, non-condensing
VdS approval	G210058
Connection	USB (B) for EBLWin programming; RS-232 for web server/gateway
Network	EBL Ring network (5040) max. 30 control panels or TLON (5090)
Standards	EN 54-2, EN 54-4; EMC EN 55032 (class A), EN 50130-4; LVD EN IEC 62368-1

Documents

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

Technical datasheet: EBL512 G3 5000 and 5001

Technical datasheet: EBL Firmware Manager

Technical datasheet: EBL Ring Network

User manual: EBL512 G3 v3.8.x, daily operation

User manual: EBL512 G3 v3.8.x

User manual: EBL512 G3 user guide

Design guide: EBL512 G3 v3.8.x

Certificate: VdS system approval, no. S 214004

Certificate: VdS approval, no. G 210058

Certificate: CNBOP-PIB certificate of admittance (Poland), no. 5011/2023

Certificate: CPR certificate of constancy of performance, no. 0786-CPR-20982

Certificate: CPR certificate of constancy of performance, no. 0402-CPR-C500142

Certificate: CPR certificate of constancy of performance, no. 0402-CPR-C500143

Certificate: EU declaration of conformity, no. D09-MFST-290-09

Certificate: Declaration of performance (DoP), no. D09-MFST-P290-06

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-5000spfi-eb1512-g3-4-silm-512-osoitetta/