



PANASONIC

Panasonic 5000SPFI EBL512 G3 emergency lighting control panel

Product code 41041 · Emergency lighting > Control equipment

Addressable Panasonic EBL512 G3 control panel that serves both as a fire alarm control panel and as the monitoring and control panel for MX emergency luminaires and exit signs. Four COM loops and up to 512 alarm points.

- Four COM loops, up to 253 devices per loop
- Up to 512 alarm points, expandable on site
- Monitors and controls MX emergency luminaires connected to the COM loop
- Up to 30 control panels in an EBL Ring network
- Approved to EN 54-2 and EN 54-4
- Automatic addressing with EBLWin



Product description

Panasonic EBL512 G3 5000S is an addressable fire alarm control panel whose COM loops connect detectors, manual call points, alarm devices and I/O units. MX series emergency luminaires and exit signs can also be connected to the same COM loops, in which case the control panel monitors their condition and controls them – for example, the red cross of an exit sign can be lit on the basis of a fire alarm to indicate a closed escape route. The 24 V supply line of the luminaires is provided by the MX Power Box power supply unit, which supplies the luminaires on up to four COM loops; MX luminaires require control panel software 2.10 or later.

Features

The control panel has four COM loops, each of which can connect up to 253 devices. The panel can be configured for 128, 256 or 512 alarm points, and the number can be increased on site. Each loop can have up to 128 short-circuit isolators, and the panel has its own isolators for the A and B directions of the loop. In addition, the panel has four monitored 24 V outputs, two programmable relay outputs, four programmable inputs and relay outputs for fire and fault transmission. The front panel includes the fire brigade panel, a graphic display and the operating panel.

Network and connections

Up to 30 control panels can be connected to a redundant EBL Ring network with network boards 5040. The control panel can be monitored and operated remotely, and it can be connected to building management and maintenance systems via gateway 5088. Programming and commissioning are carried out with EBLWin.

Installation

The control panel is wall mounted on a non-combustible surface with the mounting plate supplied; accessories include the 19" rack mount 5020, mounting plate for combustible walls 5021 and flush mounting frame 5068. Two batteries of up to 28 Ah fit inside the panel; larger batteries (up to 65 Ah) are placed in battery cabinet 5014. The

control panel is intended for dry indoor spaces.

Technical data

Product code	41041
Manufacturer	Panasonic
Product group	Emergency lighting > Control equipment
Dimensions	628 × 438 × 187 mm
Weight	23.1 kg (without batteries)
Operating temperature	-5...+40 °C
Storage temperature	-30...+60 °C
Humidity	Max. 95% RH, non-condensing
IP rating	IP30
Colour	Light grey (NCS S 1500-N) and aluminium
Material	Aluminium-zinc AZ150
Operating voltage	230 V AC (195–253 V), 2.0 A, 50 Hz
System voltage	24 V DC
Battery	2 × 12 V lead-acid battery 17–65 Ah; max. 2 × 28 Ah inside the panel
Capacity	4 COM loops, max. 1,012 addresses and 512 alarm points
Outputs	4 supervised 24 V outputs, 2 relay outputs, fire and fault routing
Inputs	4 programmable
Protocols	EBL Ring (5040), TLON (5090), RS485 for display units
EN 54 approval	EN 54-2, EN 54-4
CPR	0402-CPR-C500143, 0402-CPR-C500142
Standards	EN 55032 class A, EN 50130-4, EN IEC 62368-1, 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 5000SPFI EBL512 G3 emergency lighting control panel

Product brochure: Panasonic 5000SPFI EBL512 G3 emergency lighting control panel

Technical datasheet (series): MX25, MX40 and MX Light

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-tvk/