



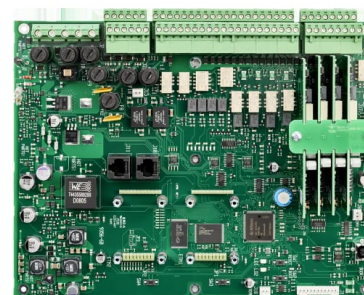
PANASONIC

Panasonic 5012 main board for EBL512 G3 panels 5000S/5001S

Product code 42623 · Fire alarm systems > Control equipment

Main board for Panasonic EBL512 G3 fire alarm control panels 5000S and 5001S. The board controls the panel, and the COM loops, programmable outputs and inputs, transmission equipment, network boards and batteries are connected to it.

- Spare part for EBL512 G3 panels 5000S, 5000SPRT and 5001S
- Slots for four COM loop boards 5017
- Four monitored 24 V outputs, two relay outputs and four programmable inputs
- Relay outputs for fire and fault transmission
- Slots for network boards 5040 or TLON boards 5090
- Handles charging of the standby batteries



Product description

Panasonic 5012 is the main board of the EBL512 G3 fire alarm control panel, used in the 5000S series control panels (5000S, 5000SPRT and 5001S). The board is a key part of the control panel: the COM loops, programmable outputs and inputs, transmission equipment, display units, network boards, power supply and batteries are connected to it. The board is intended as a spare part.

Connections

- four COM loops (0–3) with 5017 COM loop boards, loop voltage $25.0\text{ V} \pm 1.5\text{ V}$ and loop current max. 350 mA
- built-in short-circuit isolators for the A and B directions of the loop
- four monitored 24 V DC outputs S0–S3 (max. 0.5 A) and two relay outputs R0–R1 (2 A / 30 V DC)
- four programmable inputs I0–I3, supervised or unsupervised
- relay outputs with changeover contacts for fire transmission and fault transmission
- RS485 and 24 V supply for display units, also redundant
- USB connection for EBLWin and RS232 for a web server or gateway
- slots for 5040 network boards or 5090 TLON interface boards and for expansion boards
- connection for the 5039 battery temperature sensor

The power supply and batteries are connected to the main board, which also handles battery charging. The charging current is max. 2.4 A.

Replacement

After the main board has been replaced, the software is loaded if necessary, the number of alarm points is updated, the SSD programming is loaded and the outputs are calibrated. In a TLON network, an update is also carried out with TLON Manager, and in an EBL Ring network the serial number of the main board is updated in the

network settings.

Technical data

Product code	42623
Manufacturer	Panasonic
Product group	Fire alarm systems > Control equipment
COM loop	4 (0–3), boards 5017
Loop voltage	25.0 V ± 1.5 V
COM loop current	Max. 350 mA
Short-circuit isolator	Yes, A and B directions
Outputs	4 × supervised 24 V DC (S0–S3), max. 0.5 A; 2 × relay (R0–R1), 2 A / 30 V DC
Inputs	4 programmable (I0–I3)
Routing outputs	Fire alarm routing and fault routing, changeover contact
Connection	USB (EBLWin), RS232 (web server/gateway), RS485 (display units)
Battery charging current	Max. 2.4 A
Compatibility	EBL512 G3 5000S, 5000SPRT, 5001S; display board 5015

Documents

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

Technical datasheet (series): EBL512 G3 5000 and 5001

Request a quote or ask for more information

Sales +358 40 668 7641 · myynti@pap.fi · Mon–Fri 8 am – 4 pm (Finnish time)

Up-to-date information and documents: pap.fi/en/tuote/panasonic-5012-emokortti-eb1512-g3-5000s-5001s/