



PANASONIC

Panasonic 5017 COM loop board

Product code 42630 · Fire alarm systems > Spare parts

COM loop board for the main board of the Panasonic EBL512 G3 fire alarm control panel. Each board handles one COM loop, to which up to 253 addressable devices can be connected.

- One board per COM loop, four boards in the panel
- Up to 253 loop devices per loop
- Up to 128 short-circuit isolators per loop including sub-loops
- Loop current up to 350 mA, LPS output
- Spare part for EBL512 G3 5000S/5001S panels

Product description

Panasonic 5017 is the COM loop board of the EBL512 G3 fire alarm control panel. Four COM loop boards are installed on the main board of the control panel; they are secured with a plate and connect directly to the main board. The board is intended as a spare part for the 5000S series control panels.

COM loop

The control panel has four COM loops (0–3), which are connected to terminal block J5 on the main board. Up to 253 COM loop devices can be connected to each loop (addresses 001–253; may vary depending on the software version). The control panel transmits data by changing the polarity of the loop. The loop voltage at the terminals is 25.0 V ± 1.5 V and the loop current is max. 350 mA. The loops are LPS (Limited Power Source) outputs.

Up to 128 short-circuit isolators, including sub-loops, can be connected to a loop, dividing the loop into up to 129 segments. In the event of a short circuit, only the faulty segment is disconnected. EN 54-2 requires one short-circuit isolator per 32 alarm points. Each COM loop can include up to four sub-loops, which are connected via the 4585 board installed in the 4466 power supply.

Installation

The conductor size of the loop cable is 0.3–2 mm². The number and type of loop devices in relation to the cable length and type are dimensioned in accordance with the EBL512 G3 design guide.

Technical data

Product code	42630
Manufacturer	Panasonic
Product group	Fire alarm systems > Spare parts
Loop voltage	25.0 V ± 1.5 V
COM loop current	Max. 350 mA
Address range	001–253
Capacity	Max. 253 devices and 128 short-circuit isolators per loop
Connection	Main board terminal block J5, conductor 0.3–2 mm ²
Compatibility	EBL512 G3 5000S/5001S, main board 5012

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

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-5017-com-silmukkakortti/