



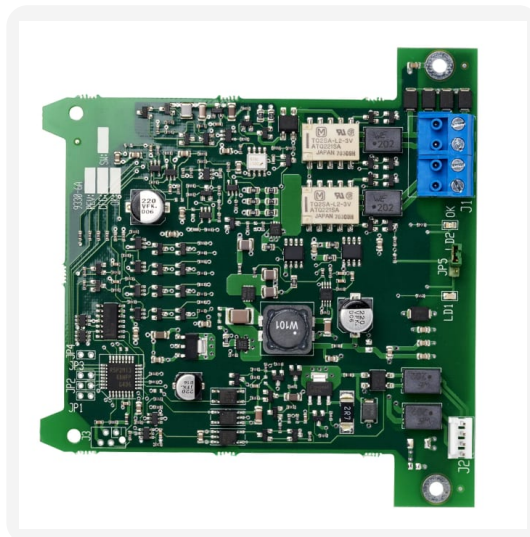
PANASONIC

Panasonic 4585 COM loop repeater

Product code 41272 · Fire alarm systems > Field devices > I/O units

COM loop repeater installed in the 4466 external power supply. The repeater amplifies the loop signal and forms a sub-loop with a cable length of up to 1,100 m.

- Extends the COM loop with a sub-loop, cable length up to 1,100 m
- Sub-loop current draw max. 350 mA
- Installed in the 4466 power supply, two repeaters per power supply
- Automatic addressing via EBLWin
- Monitors the sub-loop for open-circuit and short-circuit faults
- EN 54-18, VdS G219025



Product description

Panasonic 4585 is a COM loop repeater that allows the loop of an addressable fire alarm system to be extended further than the control panel's own loop would allow. The repeater amplifies the loop signal and forms a sub-loop (SUB-loop) from it, with a maximum length of 1,100 m when the conductor resistance of the cable is 24 Ω /km. Standard addressable COM loop devices are connected to the sub-loop.

The repeater is a circuit board installed inside the 4466 external power supply. One power supply can hold two repeaters. The repeater receives its 24 V DC operating voltage from the power supply, and up to 350 mA of current is available for the sub-loop. The repeater has no short-circuit isolator of its own; instead, the COM loop is protected by the short-circuit isolator of the 4466 power supply. The repeater monitors the sub-loop and reports open circuits, short circuits, undervoltage and internal faults to the control panel.

Installation and compatibility

The repeater works with the EBL512 G3 control panel (software version 2.5 or later) in Advanced mode. The address is set automatically via the 4466 power supply: the repeater is given the power supply address +1 or +2, depending on which output it is connected to. The sub-loop is connected to screw terminals that accept conductors of $\varnothing$ 0.65–1.6 mm (0.33–2 mm²). If no devices are connected to the repeater, the sub-loop must be closed. The repeater is intended for dry indoor areas.

Technical data

Product code	41272
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > I/O units
Dimensions	108 × 114 × 15 mm
Operating voltage	16–30 V DC (nominal 24 V DC from power supply 4466)

Weight	55 g
Operating temperature	-5...+40 °C
EN 54 approval	EN 54-18
VdS approval	G219025
CPR	0786-CPR-21627
Current consumption	Max. 640 mA, < 6 mA from the COM loop
Sub-loops	22–24 V DC, max. 350 mA
Cable length	Max. 1,100 m (24 Ω/km)
Humidity	Max. 95% RH, non-condensing
Connection	Screw terminal, conductor Ø 0.65–1.6 mm (0.33–2 mm ²)

Documents

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

Technical datasheet: 4585 COM loop repeater

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4585-com-silmukan-laajennusyksikko/