



PANASONIC

Panasonic 4461 I/O unit with short-circuit isolator

Product code 41316 · Fire alarm systems > Field devices > I/O units

Addressable multi-function I/O unit with two relay outputs, a supervised input (also usable as a conventional detection zone), an opto-isolated input and a general-purpose input. Built-in short-circuit isolator, IP65.

- 2 programmable relay outputs (NO/NC), 2 A 30 V DC
- Supervised input as a detection zone or general-purpose input
- Opto-isolated input (6–30 V DC) plus a general-purpose input
- Built-in short-circuit isolator, powered from the COM loop
- IP65 enclosure, wall or ceiling mounting
- Approved to EN 54-17 and EN 54-18



Product description

Panasonic 4461 is an addressable multi-function I/O unit with a built-in short-circuit isolator. The unit takes its operating voltage from the COM loop, and all inputs and outputs are programmed with EBLWin. It is used, for example, for closing fire doors, for controlling other systems and for connecting conventional detectors, manual call points and optical beam detectors to an addressable system.

The unit has two relay outputs (NO or NC contact, 2 A 30 V DC). The supervised input Z/Ino works either as a conventional detection zone that detects short circuits and open circuits in accordance with EN 54-13 (end-of-line capacitor 10 µF, max. 32 alarm points per zone), or as a general-purpose input for an NO or NC contact. Five active zone connections are allowed per loop. The opto-isolated input In1 is activated by an external 6–30 V DC voltage, and In2 is a general-purpose input. The general-purpose inputs can be supervised with a 33 kΩ end-of-line resistor. For example, a beam detector can be connected to the zone input and reset via the relay output.

Installation and compatibility

- Surface mounting on a wall or ceiling; cable glands are not included
- Automatic addressing with EBLWin or manually with the 4414/4414E tool (address 001–253)
- Advanced mode: EBL512 G3 and EBL128 V ≥ 2.4, EBLOne V ≥ 3.3; in NORMAL mode compatible with model 3361
- Conductor size Ø 0.6–1.2 mm (0.28–1.5 mm²)

Technical data

Product code	41316
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > I/O units
Weight	188 g

Dimensions	110 × 110 × 49 mm
IP rating	IP65
Operating temperature	-10...+50 °C
EN 54 approval	EN 54-17, EN 54-18
CPR	0786-CPR-21579
Storage temperature	-20...+60 °C
Humidity	Max. 95% RH, non-condensing
Colour	White (RAL 9010)
Material	Polypropylene (Fibox JB 6 G)
Operating voltage	12–30 V DC from the loop (15–30 V DC as a zone input)
Current consumption (quiescent)	≤ 4.3 mA
Current consumption (alarm)	≤ 15 mA
Inputs	1 supervised (zone/general input), 1 opto-isolated, 1 general input
Outputs	2 relay outputs NO/NC, 2 A 30 V DC
Address range	001–253
Short-circuit isolator	Built-in
Compatibility	EBL512 G3, EBL128, EBLOne V ≥ 3.3
Mounting	Surface mounting on wall or ceiling
Standards	EN 61000-6-3, EN 50130-4, EN IEC 63000 (RoHS)

Documents

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

Technical datasheet: 4461 I/O unit with short-circuit isolator

Certificate: EU declaration of conformity, no. ESN-F00316-04

Certificate: Declaration of performance (DoP), no. ESN-FP0316-02

Certificate: CPR certificate of constancy of performance, no. 0786-CPR-21579

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-4461-i-o-yksikko-osoitteellinen/