

## Fire alarm systems

### Addressable multipurpose I/O unit

# 3361



- Two programmable outputs
- Two programmable inputs

### General

The unit has 14 screw terminals for cable connections. It has an LED indicator, see below. It is intended to be surface mounted and a plastic protection cover (with 10 cable inlets) is attached. When required, the unit can be mounted in a waterproof box (3362).

### Two outputs

The unit has two **programmable** outputs:

**Relay output (Re0):** NC or NO contacts (set via Win512).

**Relay output (Re1):** NC or NO contacts (set via Win512).

### Two inputs

The unit has two **programmable** inputs:

**Monitored input** (two alternatives)

....used as **zone line input (Z)**: The supplied end-of-line capacitor 470 nF shall be mounted in the last unit on the line. Short circuit could activate fault or fire alarm (set via Win512). This input is intended for conventional detectors.

....used as **general input (In0)**: An input for a NC or NO contact (set via Win512 / Win128).

**Isolated input (In1)**: An optocoupler input (external 24 V DC / 8 mA is required). Normally low or high (set via Win512) / Win128.

### Connections / Settings

The COM loop is connected directly to the unit via four screw terminals. The COM loop address is set with an Address setting tool 3314. The unit has an address label where the address is to be written. 3314 is also used to set the mode:

**NORMAL mode:** I/O unit 3361.

**2330 mode:** Not used for 3361.

**2312 mode:** Not used for 3361.

### LED indicator

3361 has an LED, indicating communication to the unit, 2 flashes (5s interval) each 80<sup>th</sup> second or indicating fire alarm condition on the monitored zone line input (Z), 2 flashes each 2½ seconds.

### Waterproof box 3362

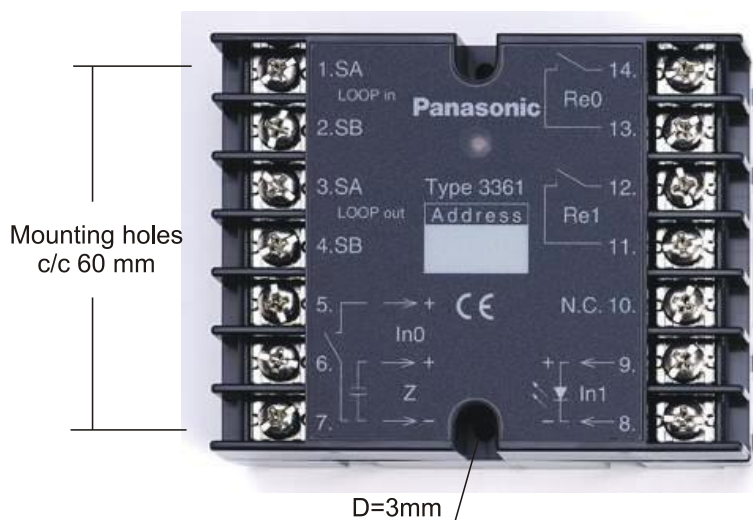
When required, the 3361 unit can be mounted in a waterproof box 3362 (IP 66/67).

### Product applications

Used in the systems EBL128, EBL512 (SW version  $\geq 2.0$ ) and EBL512 G3. The unit is intended for indoor use and in dry premises (if not the waterproof box is used). It can be DIN rail mounted with help of a DIN rail interface kit 3363.

### Type numbers

3361	Addressable multipurpose I/O unit (incl. plastic protection cover).
3362	Waterproof box (IP 66/67) (incl. four compression glands).
3363	DIN rail interface kit, for symmetric 35 mm DIN rail (plate, clamp & screws)



### Technical data

Voltage (V DC) allowed	12-30 15-30 when the monitored input is used as a zone line input (Z)
normal	24
Current consumption at nom. volt. from COM loop (mA)	
quiescent	2.2
active	Max. 12
Ambient temperature (°C)	
operating	-10 to +50
storage	-20 to +60
Ambient humidity (% RH)	Max. 95, non condensing (if the waterproof box is not used)
Ingress Protection rating	IP 54 (the unit itself with the plastic protection cover) IP 66/67 (with the waterproof box)
Inputs	
Monitored (as zone line or general input)	12-30 V DC, max. 1.5 mA (short circuit current limitation 10 mA), max. 50 Ω cable resistance
Isolated	12-30 V DC (inactive for voltage < 1 V), max. 10 mA
Outputs (two)	
Relay contacts	Max. 2 A @ 30 V DC / 125 V AC
Size L x W x H (mm)	90 x 70 x 32 (the unit itself) 129 x 73 x 45 (the plastic protection cover) 175 x 125 x 75 (the waterproof box)
Weight (g)	110 (the unit itself) 40 (the plastic protection cover) 376 (the waterproof box, excl. compression glands)
Construction / Colour	ABS / Black (the unit itself) ABS / Grey (N8, Munsell colour code) (the plastic protection cover) Polycarbonate / Grey (the waterproof box)
Approvals	CE 09 EC Certificate no. 0786-CPD-20662, EN54-18

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.

Product Leaflet	Date of issue	Revision / Date of revision
MEW00126	2001-10-19	8 / 2011-03-10