

Fire Detectors

Fire Alarm Systems Analogue Base with Isolator

Model 4313

- Common base for the different analogue detectors
- Built-in short circuit isolator
- Easy connections including output for external LED (RIL)



General

The analogue base 4313 is connected to a COM loop. Any analogue heat, smoke and multi detector can be plugged in the base.

Short circuit isolator

The analogue base 4313 has a built-in short circuit isolator with the same functions as the Addressable short circuit isolator 4370. The short circuit isolator will divide the COM loop into segments. A segment is the part of a loop between two isolators or between one isolator and the C.I.E. In case of a short circuit on a COM loop, only the affected segment will be disabled, i.e. the number of disabled loop units is minimised. All other loop units will continue to work normally. Up to 64 solators (4313 and/or 4370) can be connected on each COM loop.

Easy connection

The base has screw terminals for the COM loop (in/out) and an external indicator (RIL).

Label holder

An optional label holder could be mounted in the base (in the label holder recess) and is intended for a label showing "zone-address" etc. Can be read also when the detector is plugged in the base and is ceiling mounted.



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Com loop address

The COM loop address for the isolator is set with an Address setting tool 3314/4414, which is also used to set the mode:

NORMAL mode: Short circuit isolator 4313 in system **FT128V2** and **FT1020G3**

2330 mode: Short circuit isolator 4313 (4370 in Win512) in system **FT512**

Miscellaneous

The base has an address label (AI) where the detector's and isolator's COM loop addresses can be written.

Individual fault signal is obtained if wrong type of detector (compared with the programming) is plugged in the base or if the detector is unplugged. A short circuit or a single break (cut-off) on the loop will generate a fault and a fault message, e.g. short circuit or break, COM loop number and between which isolators.

For more information regarding detector types, connections, etc. see Planning Instructions and connection diagrams for the system respectively.

Product applications

Used in **FT1020G3 / FT128V2 systems** to increase the COM loop safety.

The base is intended for indoor use and in dry premises.

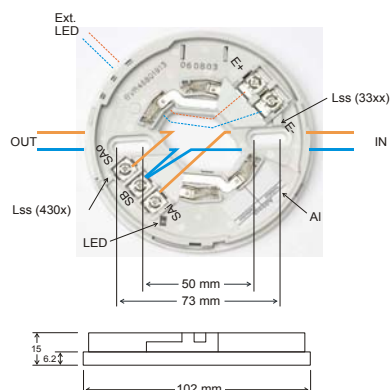
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Type numbers

4313	Analogue base with isolator
3390	Label holder (100 holders per packet, excl. labels)
3391	Labels for 3390 (10 sheets à 132 labels)



The detector plugged in the base is connected on the SAo side.

- SAi** Terminal for COM loop (in)
- SAo** Terminal for COM loop (out)
- SB** Common terminal for COM loop in/out)
- AI** Address Label
- Lss** Locking screw stopper
- E-** Terminal for external LED
- E+** Terminal for external LED
- LED** Isolator LED (yellow)

Isolator LED: Normal state = one blink 250ms / 3s. Isolated state = two blinks 250ms / 3s.

NOTE! The LED is not visible when the detector is plugged in the base.

The base is prepared (Lss) for mechanical locking of detector with locking screw.

Terminal wire diameter 0.6 – 1.6 mm (approx. 0.3 – 2 mm²).

Analogue detector types 33xx and 430x can be plugged in the base 4313. The position of the detector's built-in LED is marked in the base for correct mounting position of the base

Technical data

Voltage (V DC)	
Allowed	12-30
Normal	24 (COM loop voltage)
Current consumption, at nominal volt. from COM loop (mA)	Depending on the type of detector that is plugged into the base
Quiescent (excl. detector)	≤1.3
Active (excl. detector)	≤1.3
Ext. LED terminals	Depending on the detector plugged into the base. Normally:
Voltage (V)	5
Max. Current output (mA)	2
Ambient temperature (°C)	
Operating	-10 to +50
Storage	-20 to +60
Ambient humidity (% RH)	Max. 95, non condensing
Ingress Protection rating (estimated)	IP 54
Size Ø x H (mm)	102 x 15
Weight (g)	80
Construction / Colour	ABS / Grey (N8, Munsell colour code)
Approvals	AS/ISO 7240.2.



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