

Fire Detectors

Heat Detectors

Model 4375 & 4376

- Conventional heat detector
- Fixed temperature (static) alarm level



Fixed Temperature Alarm Level

The conventional fixed temperature (static) heat detectors will give an alarm within a static response temperature range, within a specified response time, in accordance with AS7240.5:2004.

The heat sensitive element is a thermistor.

The detector is plugged in a conventional detector base 2324, connected to a conventional zone line input. An LED on the base will light up when the detector goes into alarm. The base also has an output for an external LED, e.g. BARIL.

4375 and 4376

The following types are available (type number, temperature and class):

4375, 60°C, class A2 S.

4376, 80°C, class B S.

Latching

The detectors are latching, i.e. they will not be automatically reset if the temperature, after the alarm, falls below the detector's static response temperature. The LED in the base and a connected external LED will be lit until the detector is reset via the c.i.e.

Environment Friendly

The detectors have unleaded soldering. The latest IC technology reduces the number of semiconductors and other electronic components to a minimum. The detectors fulfil the RoHS Directive.

Product Applications

The detectors can be used in the systems FT128 / FT512 / FT1020G3 provided with some zone line inputs for the system respectively (e.g. an 8 zones expansion board 1580 / 4580 zone line input, an addressable multi purpose I/O unit 3361 zone line input, etc.).

Heat detectors are normally used in rooms where the temperature can be expected to rise rapidly in case of a fire or places where smoke detectors can not be used.

The detectors are intended for indoor use and in dry premises.



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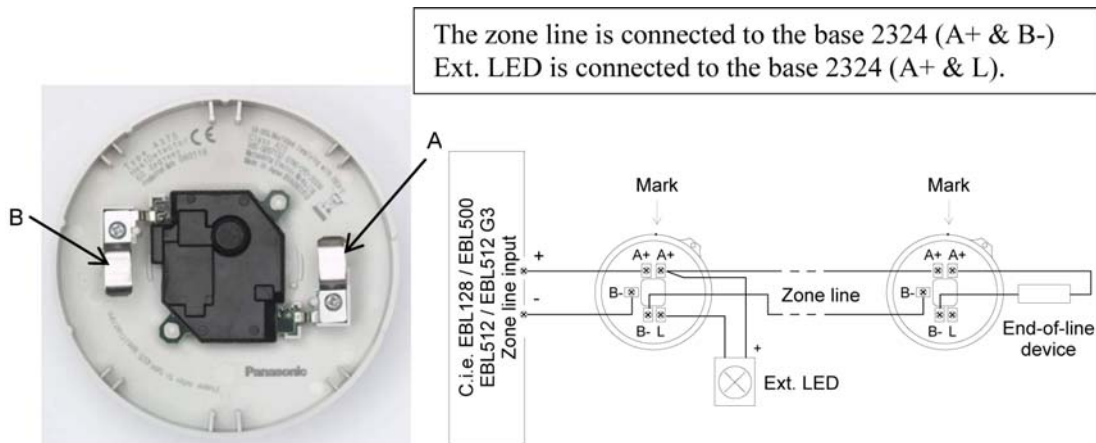
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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice. DS4375&4376 24/09/2012

Type numbers	
4375	Heat detector, 60°C, Class A2 S
4376	Heat detector, 80°C, Class B S



In the detector:

- A** Contact for base 2324
- B** Contact for base 2324

See also "Engineering Instructions for detectors Type 435x".

The detector is plugged in a base 2324. End-of-line device depending on the zone line input.

Technical data	
Voltage (V DC)	
Rated	24
allowed	30
normal	24 (zone line voltage)
Current consumption at nom. volt. (mA)	Depending on the type of detector that is plugged in the base. Current limitation in all equipment.
quiescent (base only)	0
active (incl. internal LED)	max. 70 (Alarm resistance 360Ω)
ext. LED	max. 70 (Alarm resistance 320Ω)
Ext. LED output (RIL)	
voltage (V)	Zone line voltage minus 2 V
max. current output (mA)	10 (no internal current limiter)
Ambient temperature (°C)	
Operating	-10 to +50
storage	-25 to +70
Ambient humidity (% RH)	max. 95, non condensing
Ingress Protection rating (estimated)	IP51
Weight (g)	59
Colour	grey (N8, Muncell colour code)
Approvals	CE; AS 7240.5



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