



## **Fire alarm systems**

### **Heat detectors**

### **4375 and 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 EN54-5:2000 + A1:2002.

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. 2218.

#### **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**

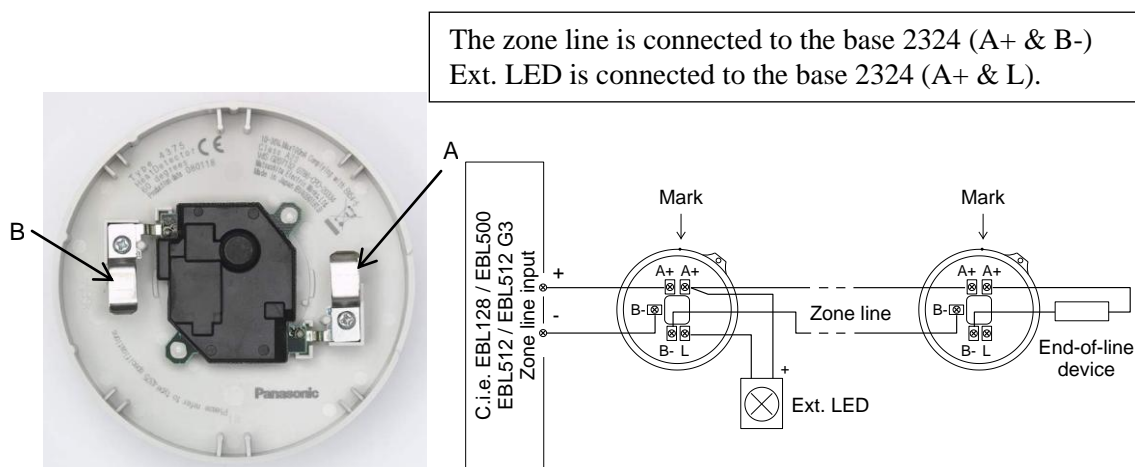
The detectors can be used in the systems EBL128 / 500 / 512 / 512 G3 / 1000 / 2000 provided with some zone line inputs for the system respectively (e.g. an 8 zones expansion board 1580 / 4580 zone line input, an addressable multi purpose I/O unit 3361 zone line input, etc.).

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.

### 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	10-30
normal	24 (zone line voltage)
Current consumption at nom. voltage, quiescent (mA)	Max. 0.015
Current limitation required, when active (mA) (EBL equipment has current limitation.)	Must be min. 6 and max. 100
Ambient temperature (°C)	
operating (Min. / <b>Typical</b> / Max.)	4375 (A2 S):      4376 (B S): -10 /+ <b>25</b> /+40    -10 /+ <b>40</b> /+60
storage	-25 to +70      -25 to +70
Static response temperature (°C)	55 (4375) and 72 (4376)
Ingress Protection rating (estimated)	IP51
Size Ø x h (mm)	102 x 39
Weight (g)	54
Construction / Colour	Modified Polycarbonate / Grey (N8, Munsell colour code)
Approvals	<b>CE</b> 09 EC Certificate no. 0786-CPD-20334 (4375); EN54-5:2000 + A1:2002 <b>CE</b> 07 EC Certificate no. 0786-CPD-20335 (4376); EN54-5:2000 + A1:2002

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

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MEW01047	2008-01-23	3 / 2011-03-11