Panasonic

Fire alarm systems
Combination heat detector 4318

- Conventional heat detector
- Rate-of-rise and fixed temperature alarm levels

General

Heat detector 4318 is a conventional combination heat detector, class A1R. It "gives an alarm" at a certain fixed temperature (59°C) and/or at a certain temperature rise, "rate-of-rise" function.

The sensing element is a thermistor.

The detector is plugged in a conventional base 2324 connected to a conventional zone line input.

The base has an LED that will light when the detector goes into alarm. In the base there are terminals to connect an external LED, e.g. 2218.

Environment friendly

The detector has unleaded soldering. The latest IC technology reduces the number of semiconductors and other electronic components to a minimum.

Product applications

This conventional heat detector can be used in the systems EBL128 / 500 / 512 / 512 G3 / 1000 / 2000.

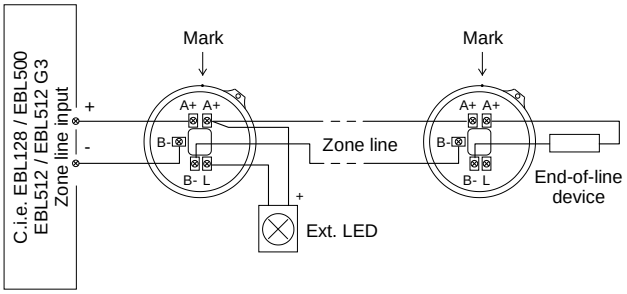
The detector is intended for indoor use and in dry premises.

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

BVQi ISO 9001 NATIONAL ACCREDITATION OF CERTIFICATION BODIES

Type number	
4318	Combination heat detector

The zone line is connected to the base 2324 (A+ & B-)
Ext. LED is connected to the base 2324 (A+ & L).



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

In the detector:

A Contact for base 2324

B Contact for base 2324

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
Current consumption at nom. volt. (mA)	Depending on the type of base it is plugged into. For more details see the Product Leaflet respectively, e.g. MEW00008 (Base 2324).
quiescent (detector only)	0.015
active (detector only)	min. 3
Ambient temperature (°C)	
operating	-10 to +50
storage	-25 to +70
Application temperature class A1 (°C)	
typical / max.	+25 / +50
Ambient humidity (% RH)	max. 95, non condensing
Ingress Protection rating (estimated)	IP51
Alarm temp. (T=°C; *deltaT= °C/168s*)	59; *18* (T=static response temp. Class A1 $T^{min.}$=54; $T^{max.}$=65.)
Size ∅ x h (mm)	102 x 39
Weight (g)	54
Construction / Colour	Modified polycarbonate / Grey (N8, Muncell colour code)
Approvals	CE 09 EC Certificate no. 0845-CPD-232.1566; EN54-5:2000, class A1R.

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