




Fire alarm systems

Enclosed analog heat detector

3309

- Different modes for compatibility with other/older EBL systems / detectors
- Algorithms for class A1, A2 S or B S
-  ATEX compliance
- Waterproof (IP67)

General

The analog heat detector 3309 measures the temperature through a thermistor. The temperature range is **0°C to 100°C** in steps of 0.5°C. The detector has an LED that will light up when the detector goes into alarm. The detector also has an output for an external LED, e.g. 2218.

Programming/Compatibility

The address setting tool 3314 is used to set the detector's COM loop address. The detector has an address label inside, where the address is to be written.

3314 is also used to set the detector mode.

- **NORMAL** mode (analog): Used in the systems EBL128, EBL512 (SW version ≥ 2.0) and EBL512 G3. The detector works as a temperature sensor where the analog readings (0°C to 100°C) are converted to digital "sensor values" that are read and evaluated by the c.i.e. Algorithms for class A1, A2 S or B S (is set via Win128, Win512 and WinG3). When the class A1 or A2 S algorithm is used, 3309 is a spare part for detector 2340 and when the class B S algorithm is used, 3309 is a spare part for 2341.
- **2330** mode (conventional): Used in the systems EBL512 / 1000 / 2000 as an equivalent to the enclosed addressable fixed temperature heat detector 2340 (60°C), i.e. as a class A2 S heat detector (static response temperature 57°C).
- **2312** mode: Not used for 3309.

Algorithms

EBL128 / 512 / 512 G3 uses algorithms for class A1, A2 S and B S, according to EN54-5:2000, for fire alarm detection. Via Win128 / Win512 / WinG3 is an algorithm selected for each 3309 in NORMAL mode.

ATEX classification

3309 complies with the ATEX classification:

II 3 G Ex ic IIC T5 Gc

II 3 D Ex ic IIIC T70°C Dc

Waterproof

The thermistor, the LED, all electronics, etc. is mounted in a waterproof detector housing, mounted on a connection box.

Label holder

A label holder, intended for a label showing "zone-address" or "technical number", can be mounted in the connection box.

Miscellaneous

The COM loop is connected to the detector, which is provided with three pairs of flying leads with female push-on connectors.

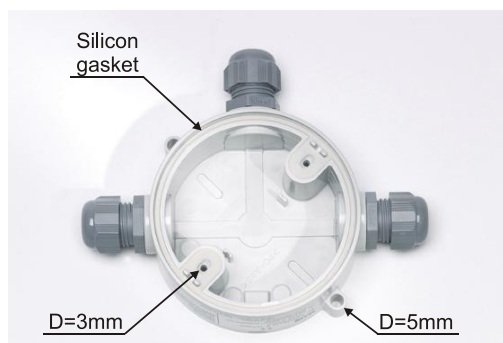
Product applications

Used in the systems EBL128/ 512 / 512 G3 / 1000 / 2000.

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

The detector is intended for outdoor use or in high humidity indoor premises. Must not be exposed to heavy sunlight or temp. lower than -20°C.

Type numbers	
3309	Enclosed analog heat detector (incl. conn. box, 3 compr. glands and gasket)
3390	Label holder (100 holders per packet, excl. labels)
3391	Labels for 3390 (10 sheets à 132 labels)



Product Leaflet	Date of issue	Revision / Date of revision
MEW00133	2001-10-19	11 / 2013-06-28