Mounting the detector

- Choose the place (according to the plans of the project) for the installation of the detector ;
- Mount the base with appropriate fixings ;
- Connect the electrical cables according to the attached diagram (Figure 1);
- Place the detector base and rotate clockwise till matching markers;
- If you want to lock detector ::
    1. Pre remove the key from the base (Figure 2).
    2. Break the plastic at the specified location on the bottom
    3. of the sensor (Figure 3).
- Place the detector base and rotate it .
- If the detector is locked to the base, to unlock it , insert first the key to the specified location (Fig. 4) and rotate the detector counterclockwise;
- Test the detector to check the correct operation of the LED indication;
- During normal operation, the LEDs blink for 16 seconds.

Technical Specifications

Supply Voltage	9-30 V DC
Power consumption in Duty condition	≤ 130 QA
Consumption in " Fire " condition	20 mA/ 24V DC
Restricting output resistor	2kΩ
Degree of protection	iP 40
Cross section of the connecting wire	0,4/2,0 mm2
Operating temperature range	10ºC ÷ 50ºC
Humidity	93%
Dimensions with base	f 100mm h ≤ 52mm
Weight	≤ 100g
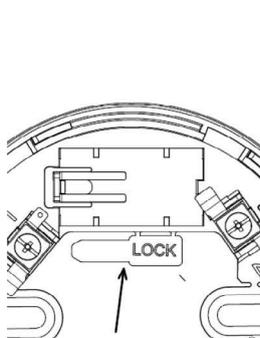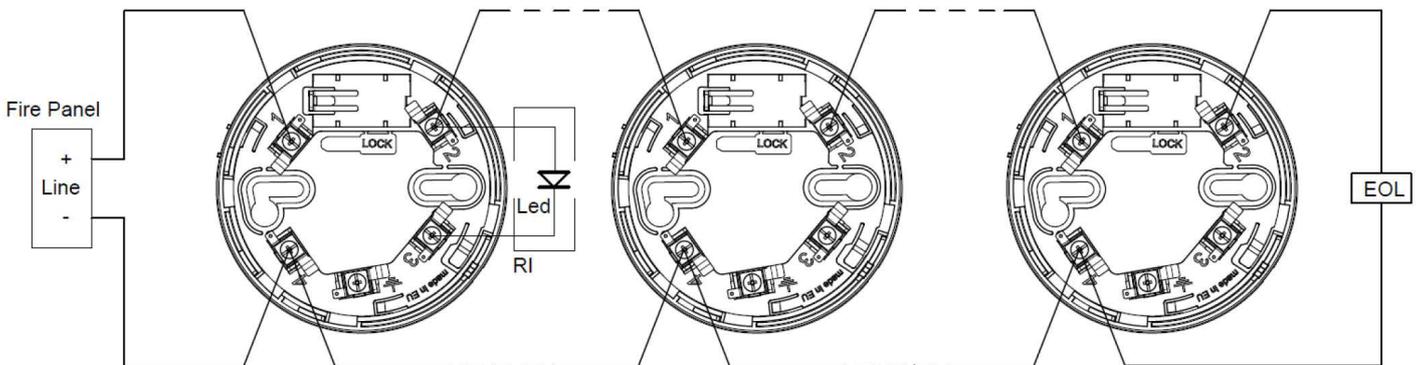
Fig.2
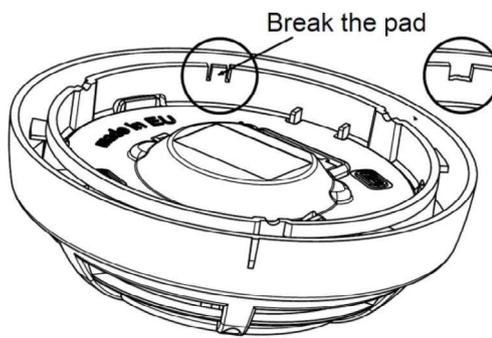
Fig.3
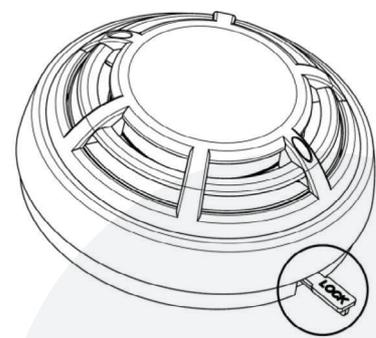
Fig.4

Testing and Maintenance

Testing

> Apply power;

> Wait about a minute or until the detector begins to blink;

> Operate the detector test spray and / or temperature sonda. The two red LEDs must illuminate permanently.

Service maintenance

> Visual inspection for mechanical damage and pollution (once a year)

> Verification of performance (once a year)

> Prophylactic cleaning (depending on the environment in which it is located).

Optical detectors SF109/SF409 are software tested and when the detector is contaminated, it is signaled by flashing LEDs for 2 seconds to 2 seconds .

SF109/SF209/SF409 detectors are compatible with all conventional power plants, that have met the requirements of a standards EN54.

Warranty obligations

The manufacturer guarantees the conformity of the device with standards EN 54-5 and EN54-7. The warranty period is 24 months from the date of sale , provided that:

> the conditions of storage and transport have been followed;

> release is performed by authorized persons;

> the requirements for operation stated in this instruction have been abode.

> defects are not caused by natural phenomena and accidents of the plug socket.

When there is the need of warranty repair , please contact us by phone or email to give you guidelines for the warranty obligations of the company. Repairs are carried out in the company's service company.

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