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ISO 14001:2015   ISO 9001:2015 Certified Company

Made in EU

Instruction manual D9000 series

Conventional fire detectors

Type	Characteristics	Sensitivity / Class
D9000 SR	**Optical smoke fire detector**	**EN 54-7**
D9000 T/A1R	**Rate of rise heat detector**	**A1R, EN 54-5**
D9000 T/A1S	**Fixed temperature heat detector**	**A1S, EN 54-5**
D9000 MSR	**Combined optical smoke and heat detector**	**A1R, EN 54-5 / EN 54-7**

1. Technical specifications

- Supply voltage   **10-30 V DC**
- Current consumption in Standby mode   **≤ 130 μA**
- Current consumption in Alarm condition   **20 mA/ 24V DC**
- Time to enter standby mode after reset   **up to 35s**
- Reset time   **2s**
- Degree of protection   **IP 43**
- Type of the connecting line to the base   **0,5÷1,5 mm^2 / two-wire**
- Output in Alarm condition   **limited to 2 kΩ, negative**
- Operating temperature range   **- 10ºC up to + 50ºC**
- Humidity   **(93 ± 3)% at 40ºC**
- Dimensions with base   **Ø 100mm h ≤ 52mm**
- Weight   **≤ 100g**

2. 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);
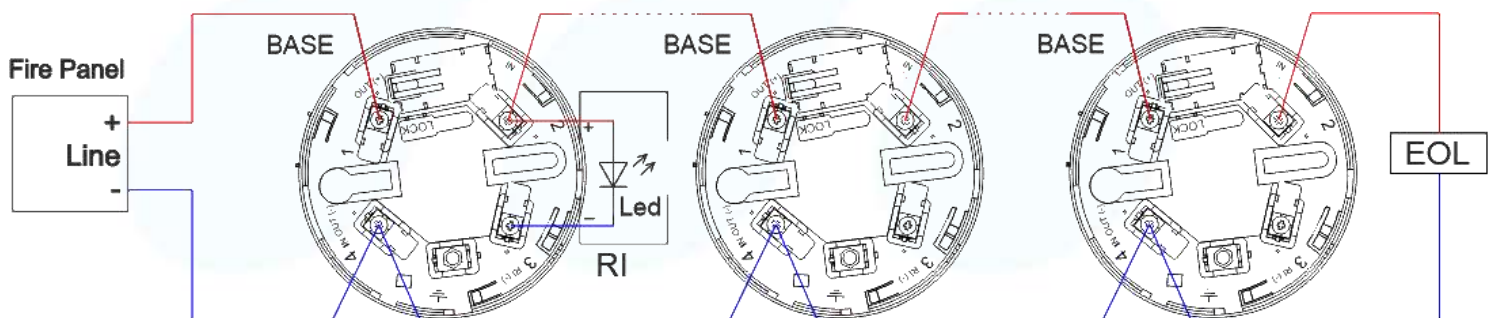

Fig. 1

- Place the detector base and rotate clockwise till matching markers;
- If you want to lock detector:
  - Pre remove the key from the base (Figure 2).
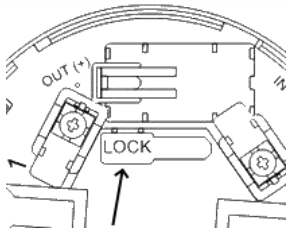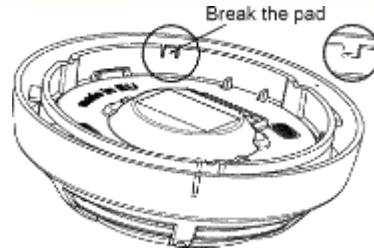 - Break the plastic at the specified location on the bottom of the sensor (Figure 3)

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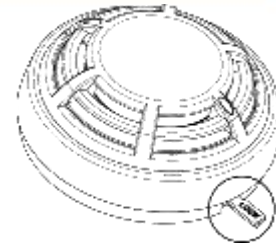
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Break the pad

| Fig.2 | Fig.3 | Fig.4 |

- 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.

2. Testing and Maintenance

Testing
- Apply power;
- Wait about a minute or until the detector begins to blink;
- Activate the detector test spray and/or temperature probe. 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 D9000 SR/MSR are software tested and when the detector is contaminated, it is signaled by flashing LEDs for 2 seconds to 2 seconds .

D9000 Series detectors are compatible with all conventional panels, that have met the requirements of standards EN54.

The detectors are available with three types of bases:
- **In 9000** - a standard basis;
- **In 9000D** - standard base with diode for recording damage detector down;
- **In 9000R** - standard base with relay output 12V for security panels.

3. Warranty obligations

The manufacturer guarantees the conformity of the devices with standards EN 54-5 and EN54-7. The warranty period is 36 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 met;
- defects are not caused by natural phenomena and accidents of the plug socket.

If a warranty repair is required, contact your supplier.

1922 – CPR – 1806
1922 – CPR – 1807
1922 – CPR – 1810

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DMTech wishes you pleasant work!

Thank you for your business!