

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 (term. 3)	limited to 2 kΩ, negative
- Operating temperature range	- 10°C up to + 50°C
- Humidity	(93 ± 3)% at 40°C
- 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);

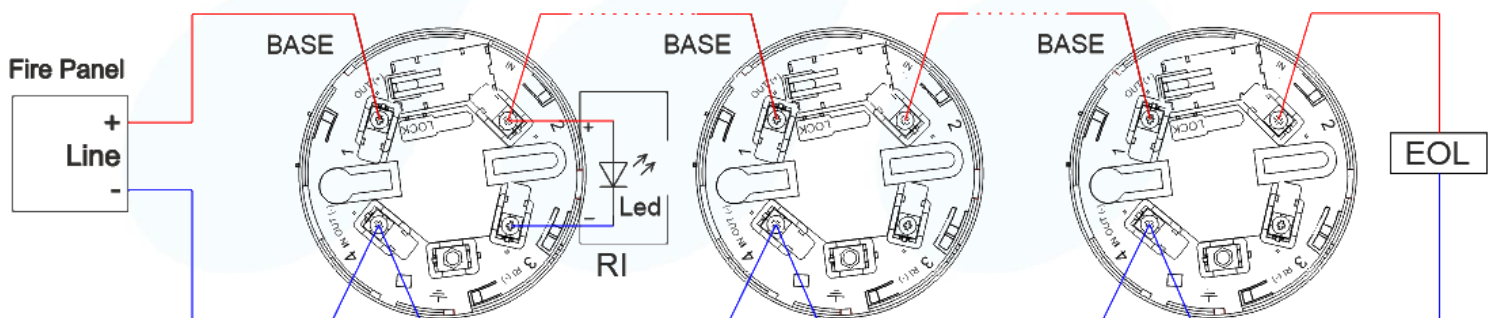


Fig. 1

- 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)

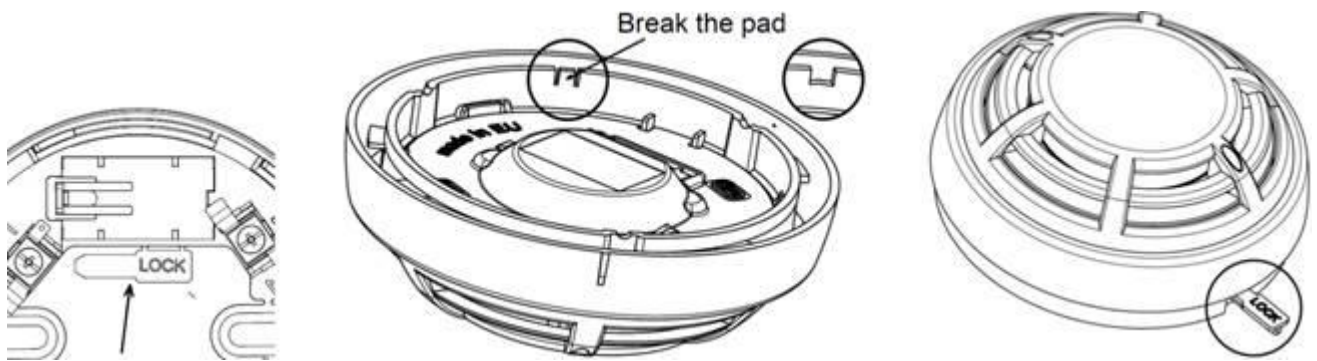


Fig.2

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 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 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 power plants, that have met the requirements of a 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 abode.
- 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



DMTech wishes you pleasant work!

Thank you for your business!