

Installation and operation conventional fire detectors

D9000 series

Nom.№	Type	Characteristics	Sensitivity / Class
1001	D9000 SR	Optical smoke detector	EN 54-7
1002	D9000 T / A1R	Rate of rise heat detector	A1R, EN 54-5
1003	D9000 T / A1S	Fixed temperature heat detector	A1S, EN 54-5
1004	D9000 MSR	Combines optical smoke and heat detector	A1R, EN 54-5 / EN 54-7

Caution : Read this manual before attempting to install the detector.

1. Technical specifications

- | | |
|--|-------------------------------|
| – Supply voltage | 9-30 V DC |
| – Power consumption in Duty condition | ≤ 130 μA |
| – Consumption in " Fire " condition | 20 mA/ 24V DC |
| – limiting resistor output | 2kΩ |
| – Degree of protection | IP 40 |
| – Cross section of the connecting wire | 0,4÷2,0 mm² |
| – Operating temperature range | 10°C ÷ 50°C |
| – Humidity | (93 ± 3)% при 25°C |
| – Dimensions with base | Ø 100mm h ≤ 52mm |
| – Weight | ≤ 100g |

– 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) ;;

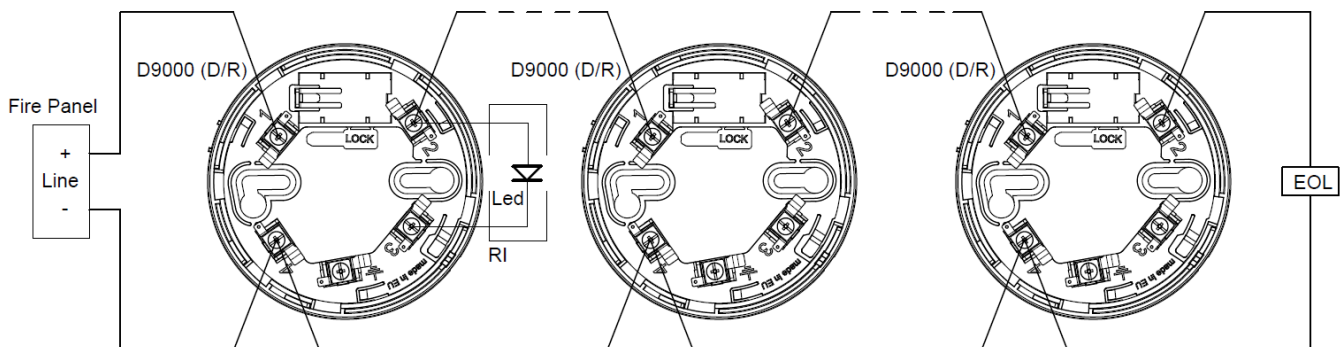


Fig.1

- 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).

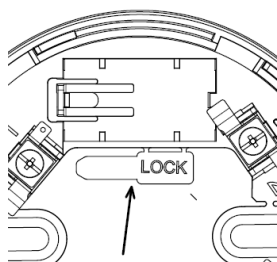


Fig.2

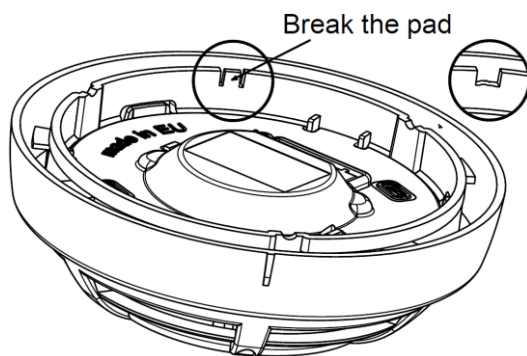


Fig.3

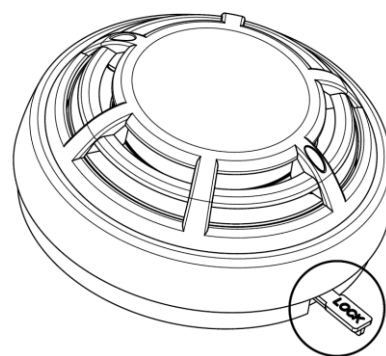


Fig.4

- 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 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.

Tel./Fax: +359 64 801 597
e-mail: office@dm-teh.com

DMTech wishes you pleasant work!

DECLARATION OF PERFORMANCE

Nº D9000SR-EN/2017

According to Construction Products Regulation Nº 305/2011 EU

1. Identification code of the product type:

D9000-SR

2. Number type:

D9000-SR

Description: Conventional fire alarm panel.

3. Intended use or uses of the construction product in accordance with the applicable harmonized specifications, as provided by the manufacturer.

Fire alarm systems installed in buildings and around them.

4. Manufacturer

**"DMTech" Ltd.
16, Nikolay Haytov Str.
Pleven 5806, Bulgaria**

5. Commercial Company

**"DMTech" Ltd.
16, Nikolay Haytov Str.
Pleven 5806, Bulgaria**

6. Evaluation System

System 1

7. Certifying Authority

***"DEDAL – A&C" Ltd.*
50, Mladost, 8230 Nessebar, Bulgaria
tel: +359 209715012**

Certifying Authority Nº:

NB 1922

EU Certificate:

1922 -CPR -0846 of 18/04/2017,

8. *European Technical Assessment* **None issued**

9. *Declared performance:*


EN 54-7:2000, EN 54-7:2000/A1:2002, EN 54-7:2000/A2:2006 Fire alarm systems. Part 7: Smoke detectors– Point detectors		
Standard's point	Description	Performance
5.2	Repeatability	Pass
5.3	Directional dependence	Pass
5.4	Reproducibility	Pass
5.6	Air movement	Pass
5.7	Dazzling	Pass
5.18	Fire sensitivity	Pass
4.2	Individual alarm indication	Pass
4.3	Connection of ancillary devices	Pass
4.4	Monitoring of detachable detectors	Pass
4.5	Manufacturer's adjustments	Pass
4.7	Protection against the ingress of foreign bodies	Pass
4.9	Marking	Pass
4.10	Data	Pass
4.11	Additional requirements for software controlled detectors	Pass
5.5	Tolerance to supply voltage	Pass
5.8	Cold (operational)	Pass
5.9	Dry heat (endurance)	Pass
5.13	Shock (operational)	Pass
5.14	Impact (operational)	Pass
5.15	Vibration, sinusoidal (operational)	Pass
5.16	Vibration, sinusoidal (endurance)	Pass
5.10	Damp heat, cyclic (operational)	Pass
5.11	Damp heat, steady state (endurance)	Pass
5.12	Durability of operational reliability, corrosion resistance	Pass
5.17	Durability of operational reliability, electrical stability	Pass

10. *The presentation of the products, referred to in (1) and (2), correspond to the declared performance in (9).*

11. *With this declaration of conformity is declared and the product's compliance with the requirements of the following additional standard:*

➤ *EN 50130-4:2011*

This declaration of performance is issued under the sole responsibility of the producer, referred to in (4).

Signature: 

Milen Kirov
General Manager
DMTeh Ltd.
18/04/2017