CERTIFICATE

of constancy of performance
1922 - CPR - 1272

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization. Short-circuit isolators. Addressable Optical Smoke Detector with Short Circuit Isolator (D9000AI SR) Addressable Optical Smoke Detector D9000A SR with mounting base B9000A

(For list of controlled characteristics, see Annexes I and II to 1922 - CPR - 1272 that are an inseparable part of this certificate)

produced by

DMTech Ltd.

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and produced in the manufacturing plant of

DMTech Ltd.

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This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 54-7:2000; EN 54-7:2000/A1:2002; EN 54-7:2000/A2:2006 and
EN 54-17:2006, EN 54-17:2005/AC:2007

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 01.11.2019 and will remain valid until 01.11.2020 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. The certificate is supported through annual surveillance audit. The validity of the certificate may be confirmed in the CE register at the web address www.dedal-bg.net.

CE

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ОРГАН ПО СЕРТИФИКАЦИЯ
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EA BAS is an EA MLA signatory

Embossed stamp of "Dedal - A&C" Ltd.

Ďedal
Attestation & Certification

Manager:
Ďedal dipl. eng. Anna Vasileva

Issued:
Burgas, 01 November 2019

![DMTECH logo]

ISO 9001:2015   Certified Company

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Instruction manual
D9000A-SR
Addressable Optical smoke detector

Тип	Характеристики	Чувствителност/Клас
D9000AI SR	**Addressable Optical smoke detector with built isolator**	**EN 54-7**
D9000A SR	**Addressable Optical smoke detector**	**EN 54-7**

1. D9000A SR is an addressable optical smoke fire detector, designed for use in addressable fire alarm systems that support the DMTech communication protocol. The detector is powered by the panel and can be controlled via the communication protocol. The D9000A SR fire detector is compatible with the B9000A base
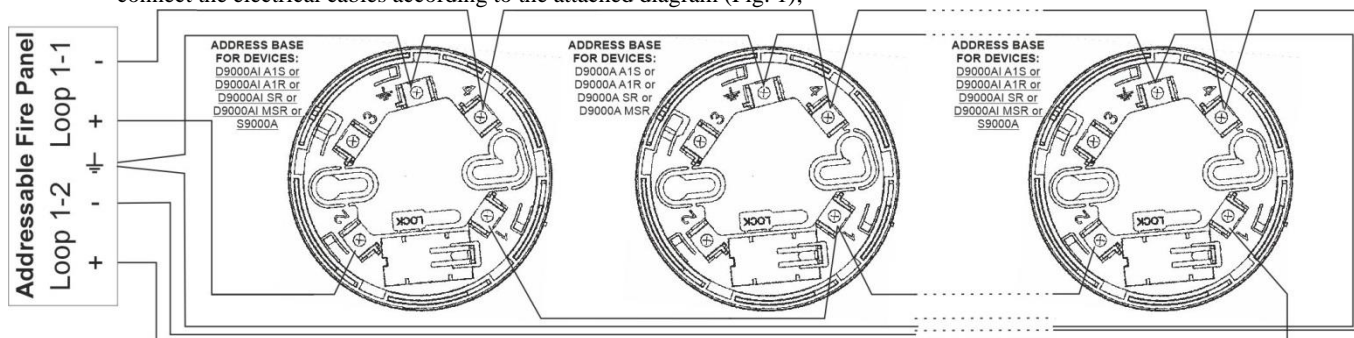
Technical data

- DMTech protocol
- Certified according EN 54-5, EN 54-7 and EN 54-17
- LED indication 360° visibility
- Built-in isolator - model D9000AI-A1R/A1S
- Supply voltage from panel FP9000A   18-30VDC
- Consumption
  - current consumption in Duty mode   < 500µA/28VDC
  - current consumption in, with communication   2.0mA
- Maximum current in alarm mode - RI terminal   2.0 mA
- Connecting wires   0.5mm² - 2.0mm²
- Operating temperature   -10°C до +65°C
- Resistance to relative humidity   (93 ± 3)% при
  40°C
- Degree of protection   IP40
- Joining with base B9000A
- Weight (with base)   ~100g
- Sizes (with base)   Ø100x52mm
- Material (plastic) - ABS

Mounting of the detector

- select the location (according to the project drawings) for mounting the detector;

- Install the base with suitable dowels and screws.

- connect the electrical cables according to the attached diagram (Fig. 1);

фиг.1

- place the detector on the base and turn clockwise until the benchmarks match;

- If you want to lock the detector:

- Remove the key from the base beforehand (fig. 2).

- Break the plastic at the indicated location at the bottom of the sensor (Fig. 3).
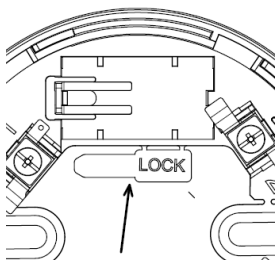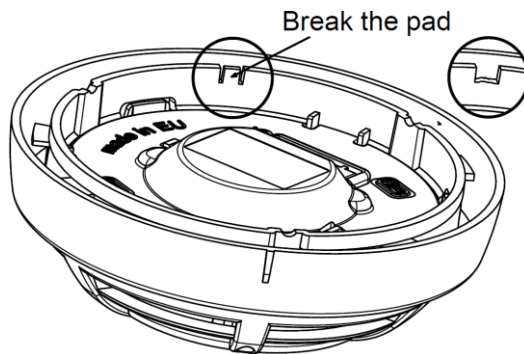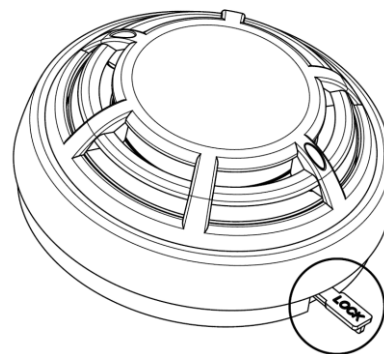
Break the pad

Fig.2	Fig.3	Fig.4

- Place the detector on the base and rotate it.

- If the detector is locked to the base to unlock, insert the key to stop the specified place (Figure 4) and rotate the detector in the direction counterclockwise;

- Perform a detector test to check the correct operation of the light indication;

- In normal operation, the LEDs will flash for 16 seconds.

Testing and support

Testing

– apply the supply voltage to the circuit;

– wait about a minute or until the detector flashes;

– Follow the procedure for addressing the detector from the instruction panel on the fire panel.

– In working condition, activate the detector with a temperature probe and / or a probe with a test spray. The two red LEDs must always be lit..

Service support

➢ external inspection for mechanical damages and dirt - once a year;

➢ verification of performance - one a year;

➢ prophylactic cleaning - depending on the environment.

Warranty

➢ The manufacturer guarantees that the product complies with EN 54-5 and EN54-7.

➢ The warranty period is 36 months from the date of sale, provided that:

➢ - storage and transport conditions are met;

➢ - the commissioning is carried out by authorized persons;

➢ - the operating requirements set out in this manual are observed.

➢ - the defects are not caused by natural phenomena and failures of the power supply network.

➢ If a warranty repair is required, please contact us by telephone or e-mail to provide you with instructions on how to perform your warranty obligations. The repairs are carried out at the company's service center.

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DMTech wishes you pleasant work!

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