Installation and operation conventional fire detectors

D9000 series

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<th>Type</th>
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<th>Sensitivity / Class</th>
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<td>D9000 SR</td>
<td>Optical smoke detector</td>
<td>EN 54-7</td>
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<td>1002</td>
<td>D9000 T / AIR</td>
<td>Rate of rise heat detector</td>
<td>A1R, EN 54-5</td>
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<td>1003</td>
<td>D9000 T / AIS</td>
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<td>1004</td>
<td>D9000 MSR</td>
<td>Combines optical smoke and heat detector</td>
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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: f 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);

   ![Figure 1](image)

   - 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).
Instructions for installation and commissioning conventional of fire alarms D9000 series

- 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.

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*DMTeh wishes you pleasant work!*