Instruction manual
Addressable Optical smoke detector D9000A SR

Type	Description	EN 54 Standard
D9000AI SR	**Addressable Optical smoke detector with built isolator**	**EN 54-7, EN 54-17**
D9000A SR	**Addressable Optical smoke detector**	**EN 54-7**

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.

1. **Technical data**
- DMTech protocol
- Certified according EN 54-7 and EN 54-17
- LED indication 360° visibility
- Built-in isolator - model D9000AI-A1R/A1S
- Supply voltage from panel FP9000A   15-30V DC
- Consumption
  - current consumption in Duty mode $< 500\mu A/28V$ DC
  - 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 up to +65°C
- Resistance to relative humidity $(93 \pm 3)\%$ at 40°C
- Degree of protection   IP40
- Joining with base B9000A
- Weight (with base)   ~100g
- Sizes (with base)   Ø100x52mm
- Material (plastic) – ABS

2. **Mounting the flag to the base (optional)**

If you would like to use the flag included in the B9000A base set, follow the instructions and the illustrations in Fig. 1:
- detach the flag from the base (1.);
- write the desired address on a sticker and place it of the flag from the side of the plastic pins (2.);
- push the plastic pins through the designated hole (3.).

Write the desired address on a sticky paper and stick it on the flag

Fig. 1

3. **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. 2);

Thank you for your business!

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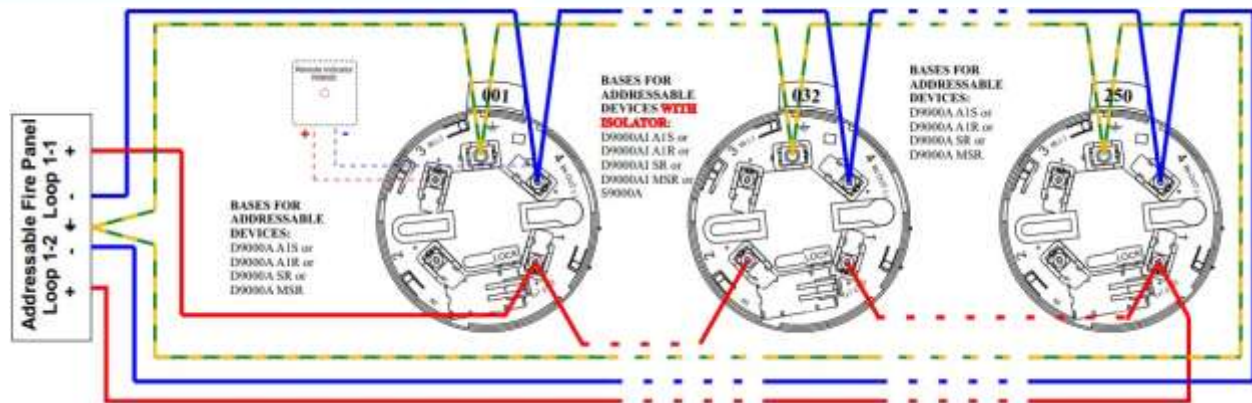ISO 14001:2015   ISO 9001:2015 Certified Company

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Fig.2

- 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. 3).
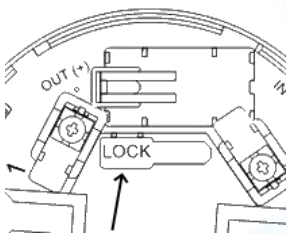 - Break the plastic at the indicated location at the bottom of the sensor (Fig. 4).
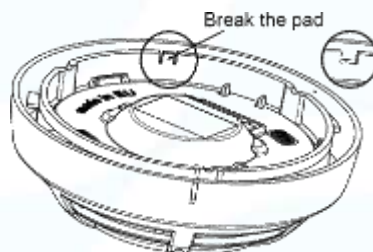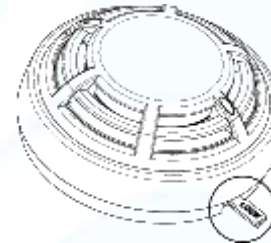

Fig.3

Fig.4

Fig.5

- 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 5) 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.

4.   Testing and support

Testing

- Apply the supply voltage to the circuit;
- Wait about a minute or until the LEDs of the siren start flashing;
- Follow the procedure for addressing the siren from the programmer or directly from the fire panel.
- From the test menu on the addressable panel, activate the siren and check its operability.

Service support

- External inspection for mechanical damages and dirt - once a year;
- verification of performance - once a year;
- prophylactic cleaning - depending on the environment.

5.   Warranty

The manufacturer guarantees that the product complies with EN 54-7 and EN54-17.

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, contact your supplier.

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DMTech wishes you pleasant work!

Thank you for your business!