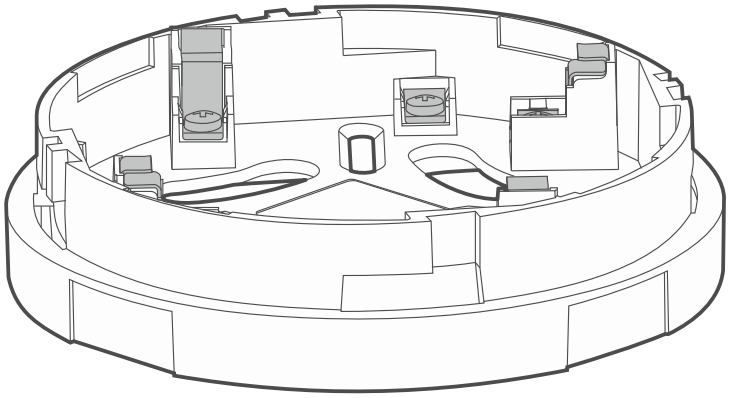
CSP

Conventional detector base

DB-100

EN



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IMPORTANT

The device should be installed by qualified personnel.

Prior to installation, please read carefully this manual in order to avoid mistakes that can lead to malfunction or even damage to the equipment.

Disconnect power before making any electrical connections.

Changes, modifications or repairs not authorized by the manufacturer shall void your rights under the warranty.

The following symbols may be used in this manual:

- note,
- caution.

The DB-100 base is used to connect the following detectors by SATEL:

- DMP-100 – conventional multisensor smoke and heat detector,
- DRP-100 – conventional optical smoke detector,
- DCP-100 – conventional fixed temperature / rate-of-rise heat detector.

to the detection line of the CSP-104 / CSP-108 / CSP-204 / CSP-208 conventional fire alarm control panel.

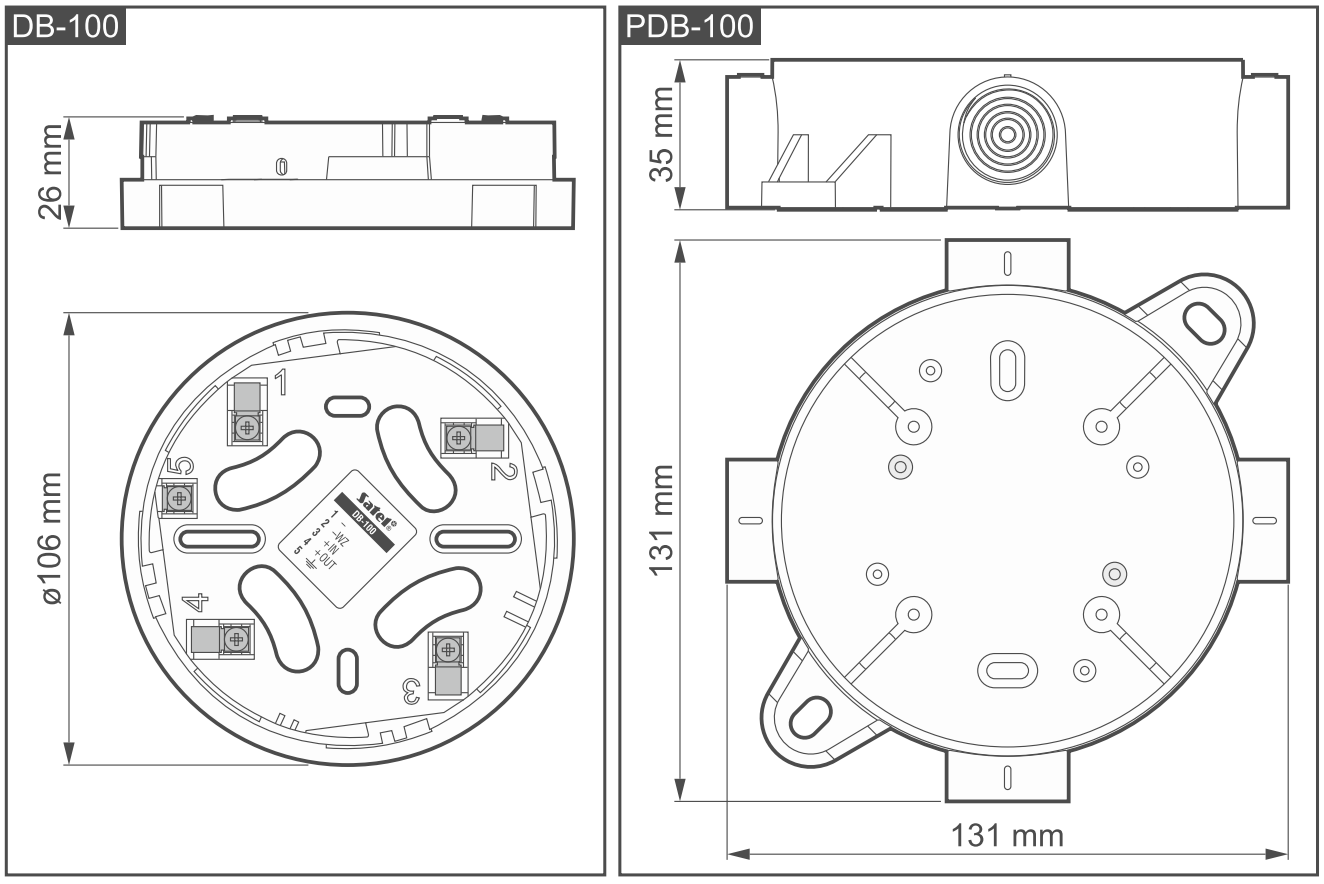
The base can also be used to connect the conventional detectors to the MLB-400 side line module. The MLB-400 module is designed to operate in the detection line of the ACSP-402 addressable fire alarm control panel.

1. Features

- Easy to disconnect a detector from the detection line for the purpose of periodic checks or maintenance.
- Ability to connect flush-mounted and surface-mounted detection line wires.
- Ability to connect the WZ-110 remote indicator by SATEL.
- Suitable for installation on the PDB-100 industrial base by SATEL for protection against water when water vapor condensation may occur on the ceiling.

2. Installation

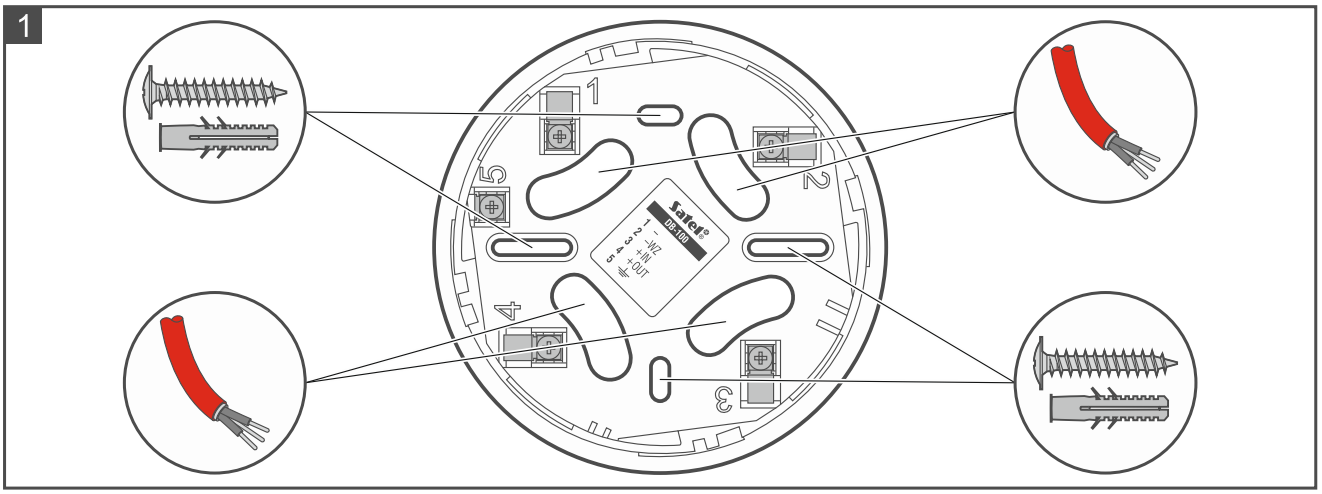
The base is designed for installation indoors, in spaces with normal air humidity. In spaces where water vapor condensation occurs on the ceiling, the base should be installed on the PDB-100 industrial base by SATEL (see: “Installation on the PDB-100 base”).



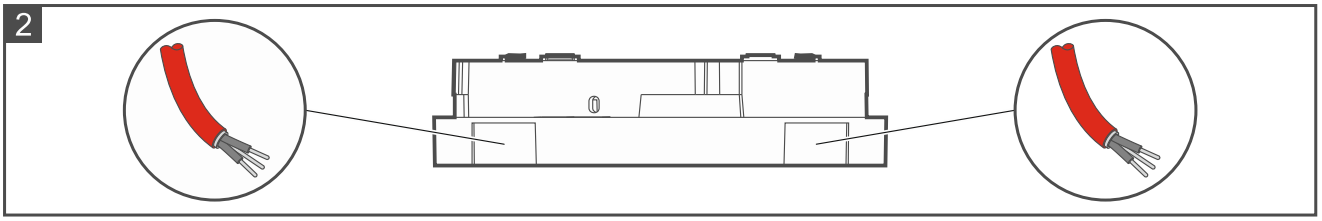
2.1 Installation directly on the ceiling

Next to the terminal 2, there is the symbol. This is where the LED indicator will be located when the detector is installed on the base. The detector should be installed so that the LED indicator is visible. The optical signaling provided by the LED makes it easier to locate the detector.

1. Place the base against the ceiling and mark the location of the mounting holes (Fig. 1).



2. Drill the holes for wall plugs (anchors).
3. If the detection line wires are surface-mounted, drill the hole(s) for wires (Fig. 2).

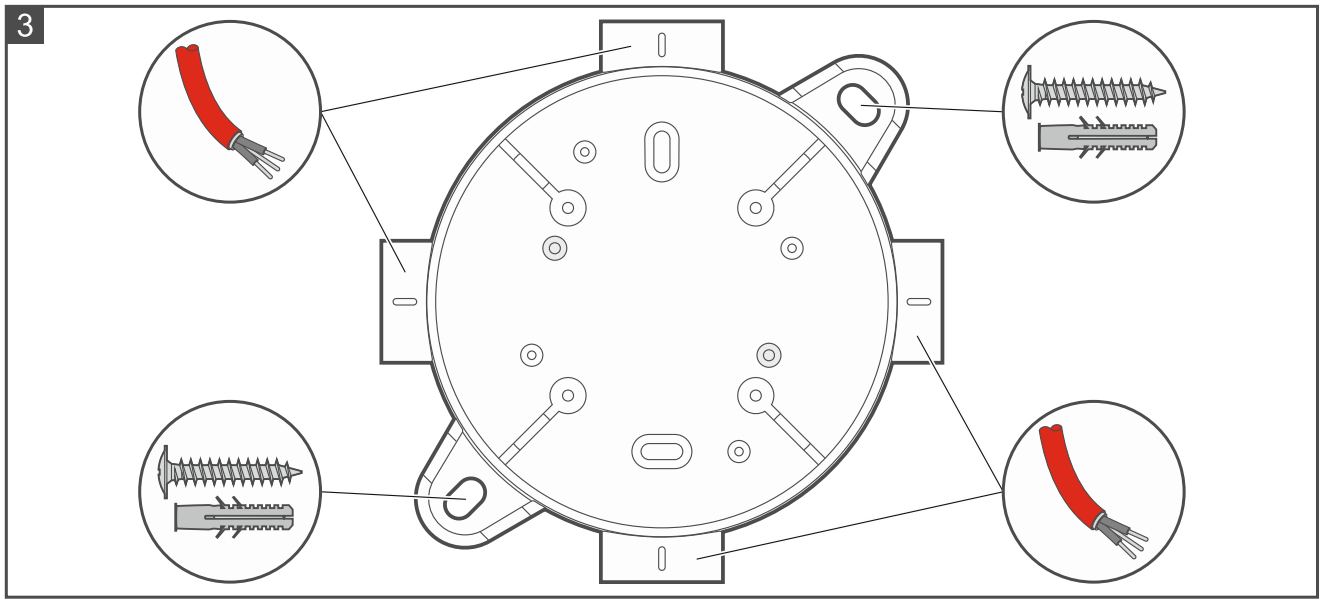


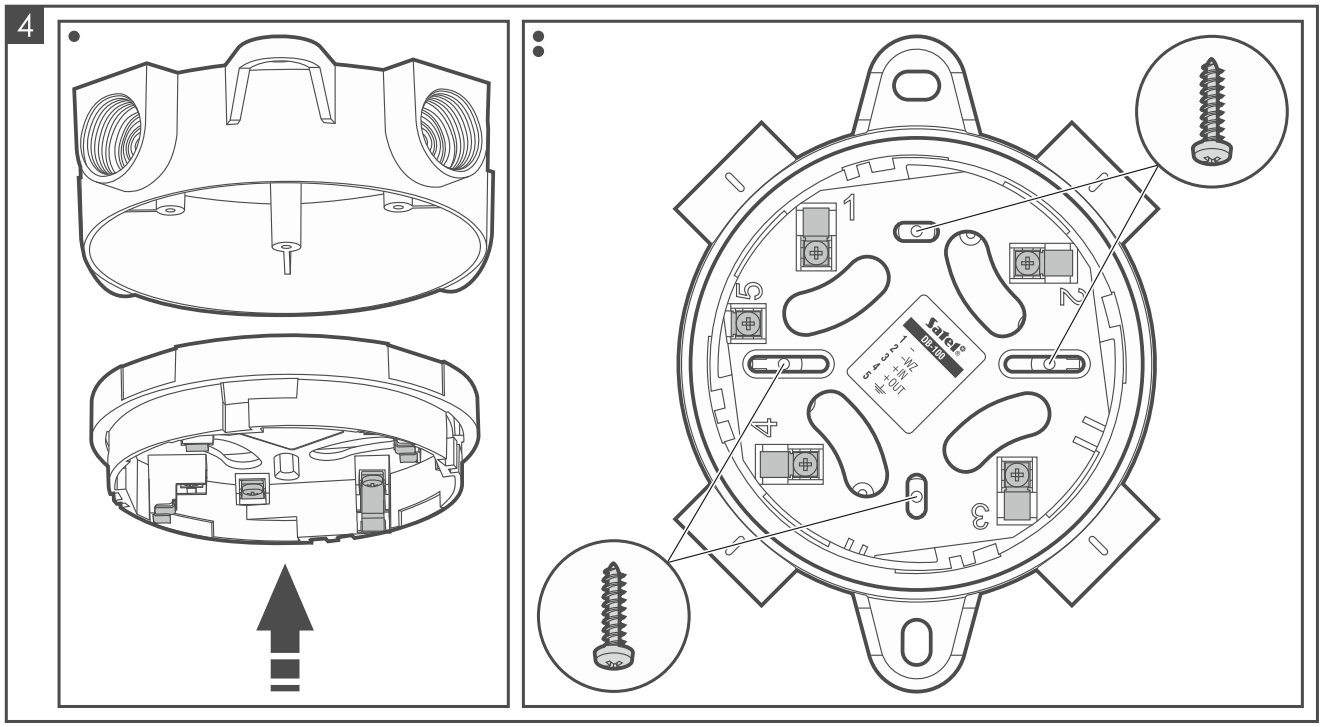
4. Run the cables through the holes in the base (Fig. 1 and 2).
5. Use wall plugs (anchors) and screws to secure the DB-100 base to the ceiling. Select wall plugs specifically intended for the mounting surface (different for concrete, different for plaster, etc.).
6. Connect the wires to the corresponding terminals (see: “Connecting the detection line wires” and “Connecting the WZ-110 remote indicator”).

2.2 Installation on the PDB-100 base

1. Drill the holes for cables in the PDB-100 base (Fig. 3).
2. Place the PDB-100 base against the ceiling and mark the location of the mounting holes (Fig. 3).
3. Drill the holes for wall plugs (anchors).
4. To seal the cable holes, use cable glands (recommended cable gland: PG-16).
5. Use wall plugs (anchors) and screws to secure the PDB-100 base to the ceiling. Select wall plugs specifically intended for the mounting surface (different for concrete, different for plaster, etc.).
6. Run the cables inside the PDB-100 base (Fig. 3).
7. Run the cables through the holes in the DB-100 base (Fig. 1).
8. Use screws to secure the DB-100 base to the PDB-100 base (Fig. 4).

9. Connect the wires to the corresponding terminals (see: “Connecting the detection line wires” and “Connecting the WZ-110 remote indicator”).





2.3 Connecting the detection line wires

Disconnect power before making any electrical connections.

The method of connecting the detection line wires to the detector base is shown in Fig. 5 (detection line of the conventional fire alarm control panel – information on how to connect the detector base to the MLB-400 module can be found in the module manual).

1. To terminals **3 (+IN)** and **1 (-)** connect the wires from the control panel / another base.
2. To terminals **4 (+OUT)** and **1 (-)** connect the wires to another base. If this is the last base in the line, connect the **5.6 kΩ** resistor to the **1 (-)** and **4 (+OUT)** terminals.
3. Connect the cable shields to terminals **5 (⏚)**.

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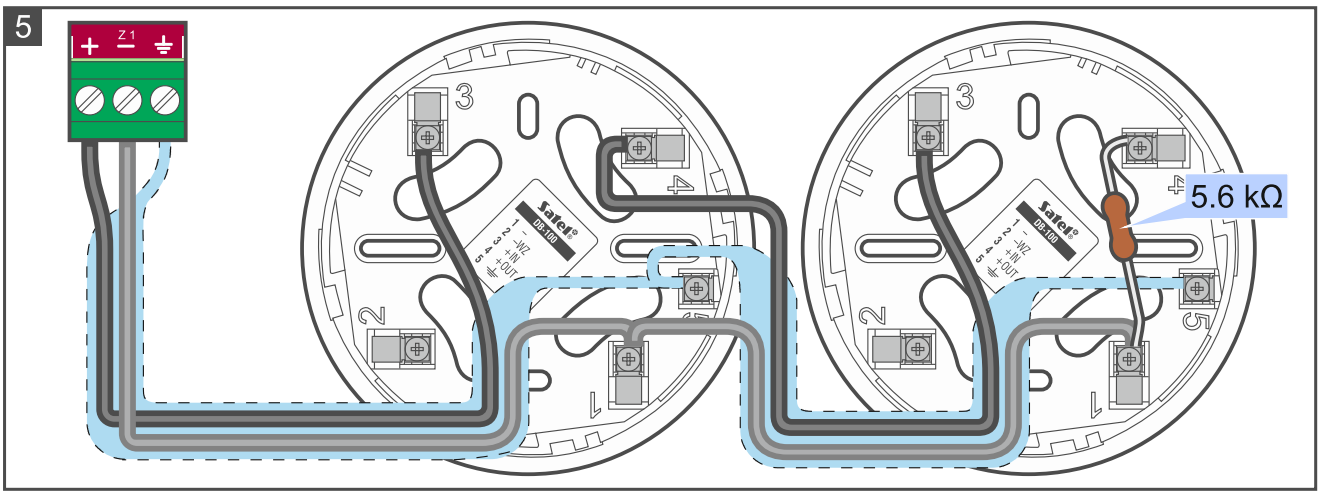

2.4 Connecting the WZ-110 remote indicator

If the WZ-110 remote indicator is to be connected to the base (detector), connect the indicator wires to terminals **2 (-WZ)** and **3 (+IN)** or **4 (+OUT)** as shown in Fig. 6.

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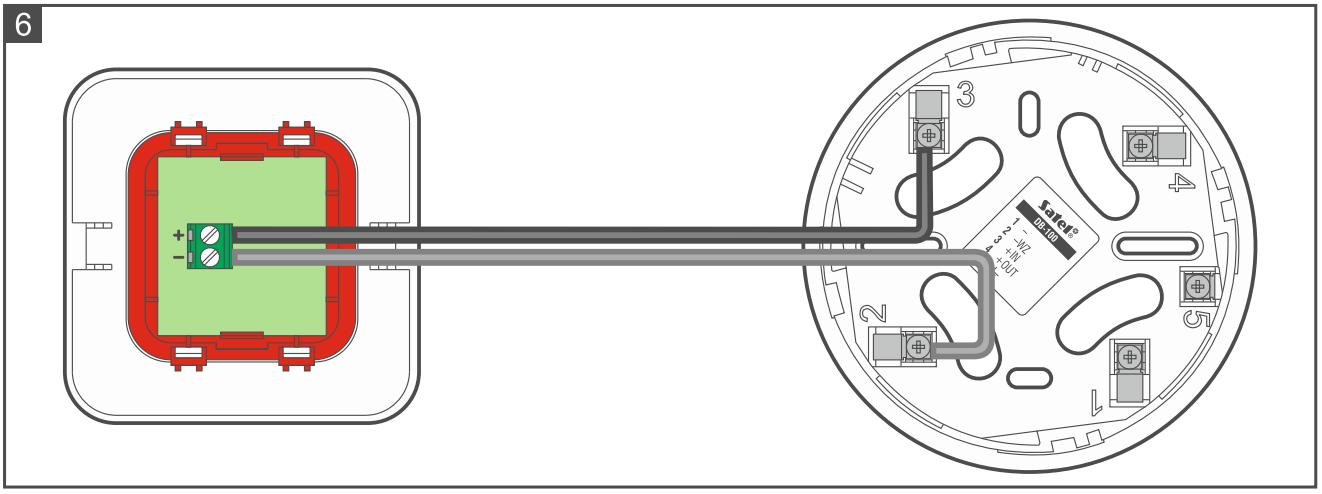

3. Maintenance

The fire alarm system elements require regular maintenance. The DB-100 base should be checked together with the detector installed on the base. The periodic checks should be carried out at least every 6 months. In spaces where working conditions are difficult (e.g. dust, aggressive environment that may cause corrosion, etc.), the periodic checks should be carried out more often.

4. Specifications

DB-100 detector base

Dimensions ..... ø106 x 26 mm
Weight ..... 52 g

PDB-100 industrial base

Dimensions ..... 131 x 131 x 35 mm
Weight ..... 76 g