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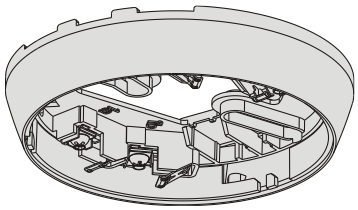

DB721-CN Detector base
Product manual

Overview

The DB721-CN addressable detector base is a universal detector base. It is typically installed on fire detection sites and used with the following detectors:

- OH720-CN Multi-sensor smoke detector
- OP722-CN Smoke detector
- HI720-CN Heat detector (A2R+A2S)

Features

- Easy installation
- Universal base, suitable for surface and recess mounting
- Large cable entry opening in the detector base for easy cable insertion
- The detector line communication is not interrupted when the detector is removed from the base (no open circuit fault)
- Accessories for surface mounting, humid or wet environments, dust protection, location inscription
- Adoption of RoHS compliant environmentally friendly materials and production processes

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Smart Infrastructure

Installation

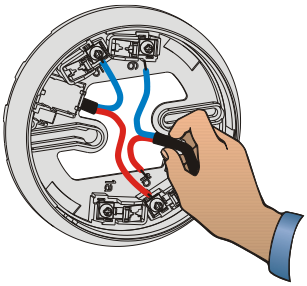


Fig. 1

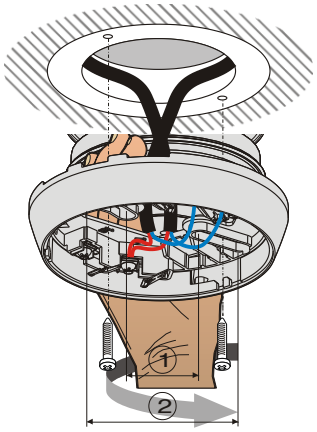


Fig. 2

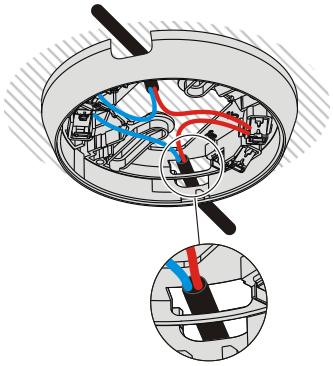


Fig. 3

① Minimum Ø 40 mm
② Maximum Ø 90 mm

Installation

1. Thread the cable through cable entry into the base (Fig.2/3), cable diameter up to 8mm.
2. Directly secure the base with screws to the recess box or an even surface (Fig. 2)
3. Connect the cable to the terminals according to Fig. 1 and Fig. 4.
4. Place the cables flat against the base to avoid interfering with detector installation.

Note:

- If surface mounting is used, there are two possible break-out points on the detector base for the cable entry (Fig. 3).

Electric connection

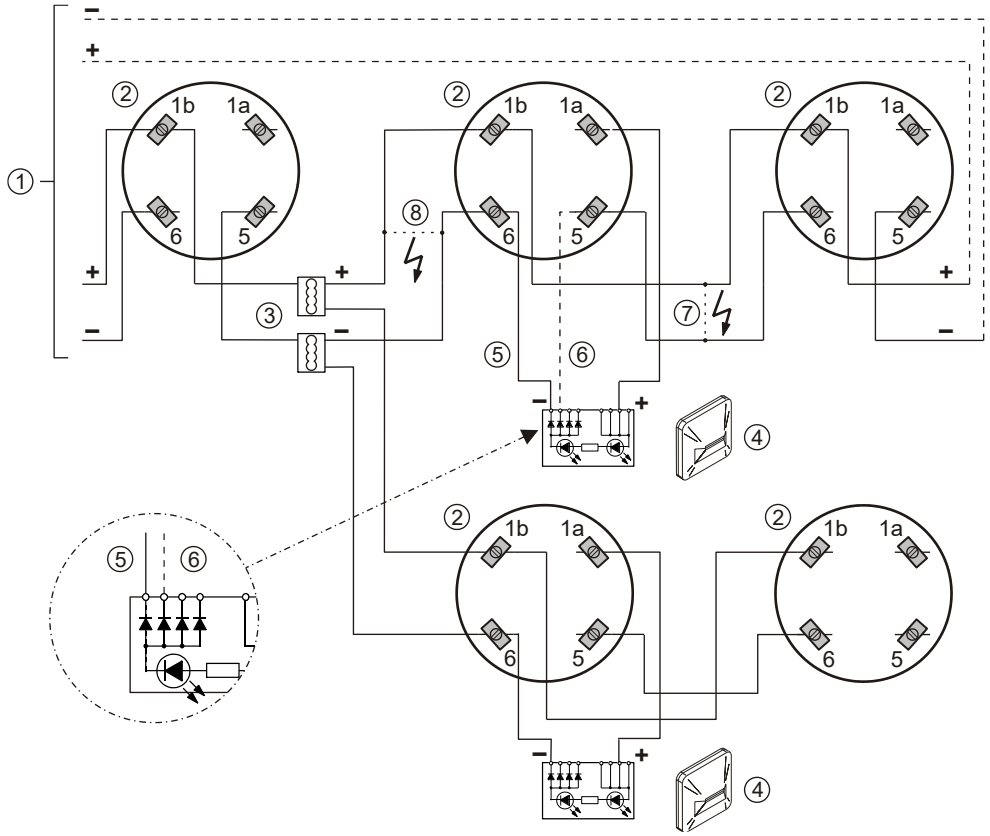


Fig. 4

Legend

1	Control panel	5	Cable –E_AI6
2	Detector base DB721-CN	6	Cable –E_AI5 (optional)
3	Connection terminal DBZ1190-XX	7	Short-circuit (fault)
4	External alarm indicator	8	Short-circuit (fault)

Comments

- If a shielded cable is used for connecting the external alarm indicator, its shield must be connected to the shield for the detector bus.
- The alarm indicator connected will continue to function correctly in the event of a short circuit occurring at position 7 on the connection diagram. The alarm indicator is triggered by cable –E_AI6.

  If the short circuit occurs at position 8 on the connection diagram, the alarm indicator will no longer be triggered.

  As an option, the alarm indicator may also be connected using cable –E_AI5.

  In this case, the alarm indicator will correctly indicate an alarm even if a short circuit occurs at position 8.

  Therefore, this ensures that the alarm indicator will always function correctly.

The option described is applicable to loop lines only.

Accessories

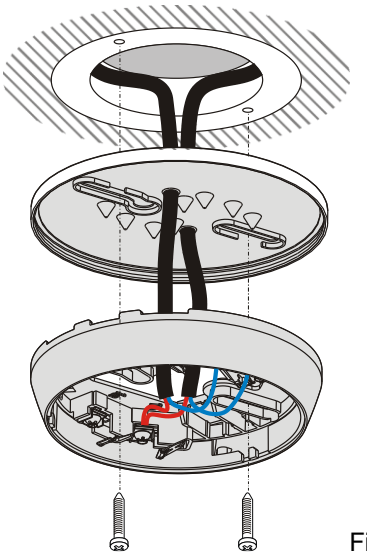


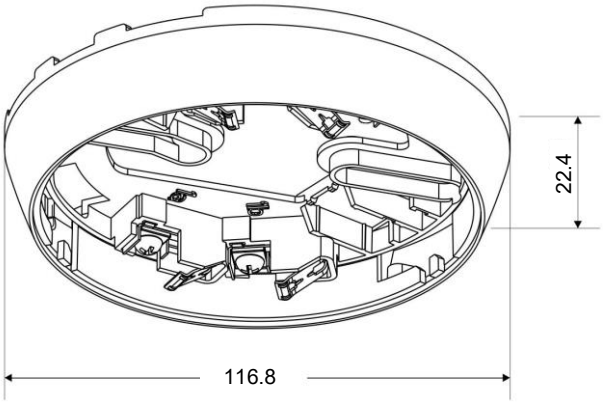
Fig. 5

1- Detector base seal RS720 (Fig. 5)

- The detector base seal RS720 is used for moisture-proof and humidity-proof installation of detectors. Protection category: IP42
- Compatible with detector base DB721-CN
- May only be used with recess-mounted cable feeds.
- The detector base seal is installed between the ceiling and the detector base DB721-CN.

Dimensions

In mm



Technical data

Connection terminals	
– Terminals integrated in the base	0.2 ... 1.5 mm^2
Operating temperature Storage temperature Humidity Protection category EN60529 / IEC529	Refer to the detector manual
Color	Pure white, RAL9010

Ordering Information

Type	Material no.	Designation	Weight
DB721-CN	S54319-F12-A101	Detector base (with loop contact)	0.050 kg
RS720	S54319-F8-A1	Detector base seal	0.012 kg

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