

## FDB221 Sinteso™ Addressable (FDnet) Detector bases and accessories Product Manual

### Overview

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The FDB221 addressable (FDnet) detector bases are universal bases suited for surface and recess mounting.

### Characteristics

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- Universal base, suited for surface and recess mounting
- Extra-large mounting slots facilitate a re-use of existing drill holes resulting from other systems
- Large opening in the detector base for easy cable insertion
- Screw less terminals (spring clip principle)
- Detector line can be connected without any tools; the wire can be simply plugged in manually
- Loop contact
- Accessories for surface mounting, humid or wet environments, theft prevention, dust protection, location inscription and detector heating unit against moisture condensation or frost formation

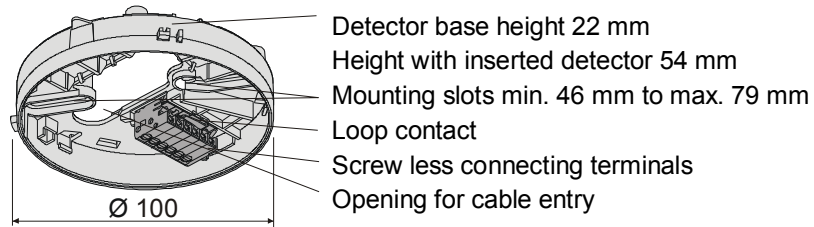
### Function

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- For fire detectors with addressable signal processing
- Terminals 'orange', wire cross-sectional area from 0.2 to 1.5 mm<sup>2</sup>

## Application

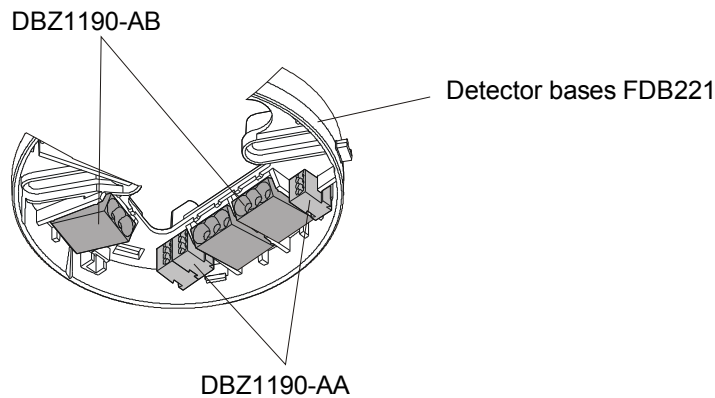
- For recess supply wiring
- For surface supply wiring, cable diameter up to 6 mm



## Accessories

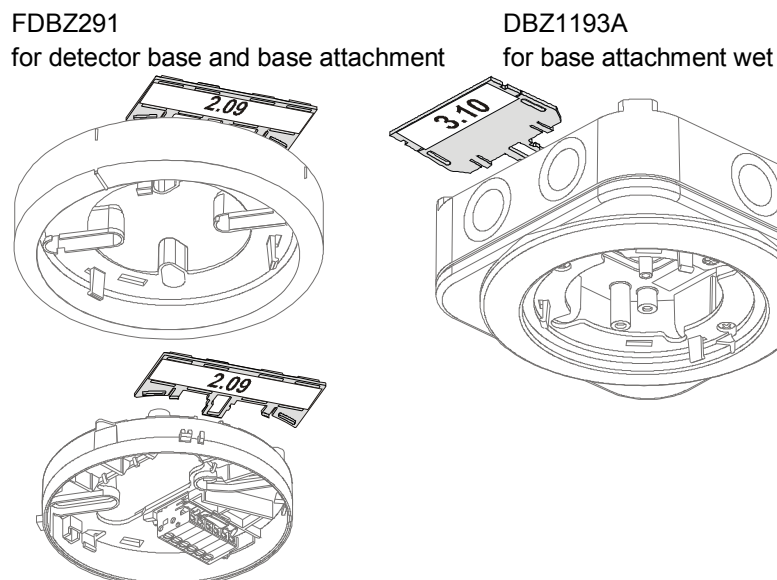
### • Auxiliary terminals / Micro terminals

| DBZ1190-AA                                   | DBZ1190-AB  |
|--|---|
| - For conductors of max. 0.5 mm <sup>2</sup> | - For conductors of max. 2.5 mm <sup>2</sup>                  |
|  | - For the connection of 2 alarm indicators or cable screening |



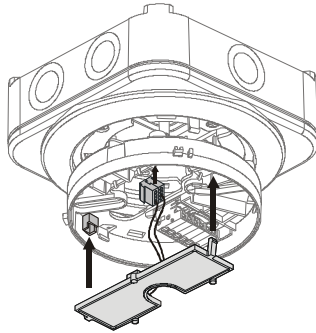
### • Designation plates FDBZ291, DBZ1193A

- To identify the location address



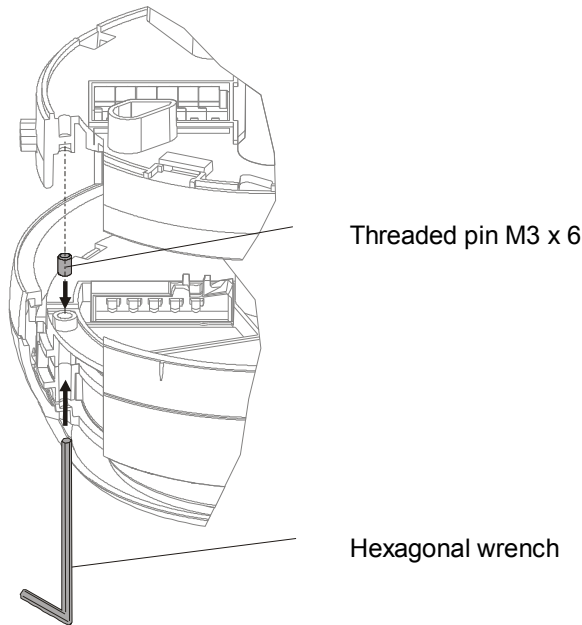
- **Detector heating FDBH291**

- For the operation of the fire detectors in critical environments, danger of frost formation or moisture condensation, e.g. in cold storage houses, attics, loading ramps, cheese storage cellars, etc.
- Optimum function of the detector heating is only ensured with the base attachment humid FDB293
- The temperature of the detector is increased by approx. 2° in relation to the ambient temperature, so that moisture condensation is prevented
- Detector heating is fixed to the detector base with a spring-loaded catch



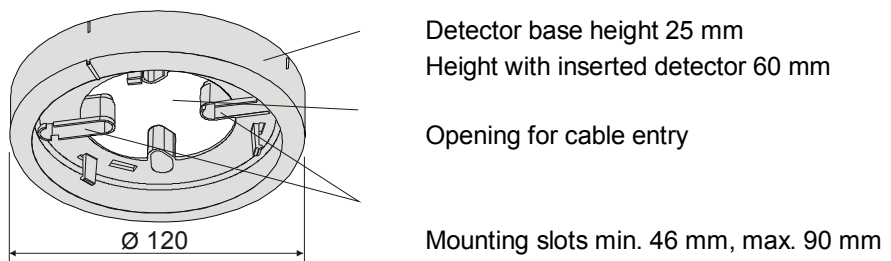
- **Detector locking device FDBZ293**

- To protect the detector against theft



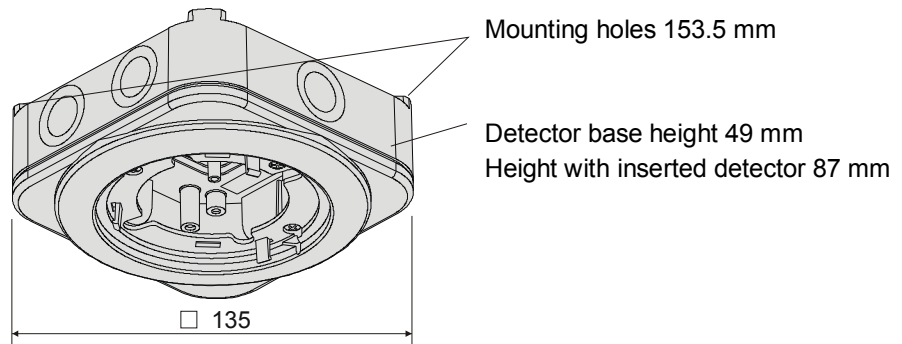
- **Base attachment FDB291**

- For the supply of surface-mounted lines > Ø6 mm
- Detector base FDB221 fixed with spring-loaded catch



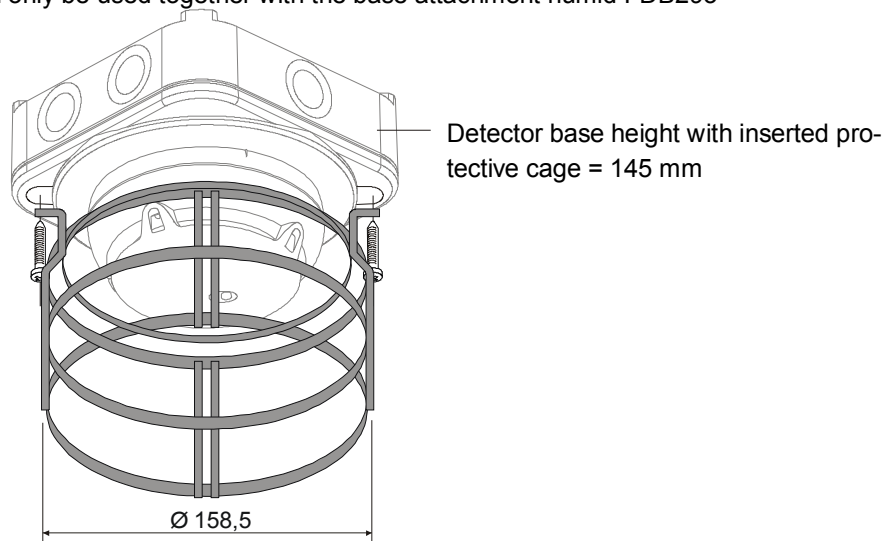
● **Base attachment humid FDB293 with seal**

- For higher IP category
- For mounting in humid or wet environments
- Detector base FDB221 fixed with spring-loaded catch
- When the detector heating unit is used



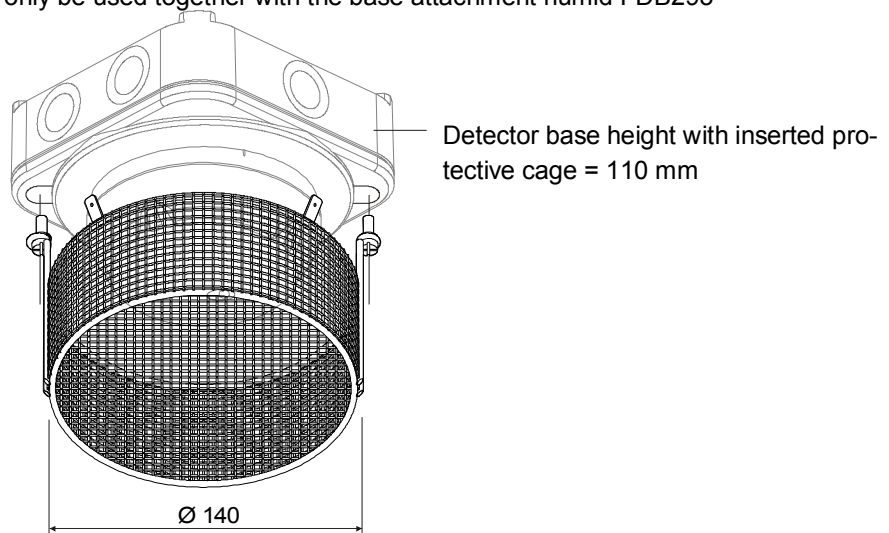
● **Protective cages DBZ1194**

- For the protection of the detector against damage
- Can only be used together with the base attachment humid FDB293



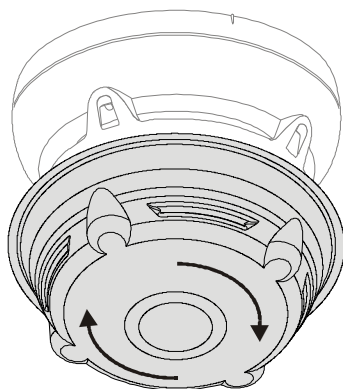
● **Protective cages FDBZ294**

- To protect the detector from large electromagnetic fields
- Can only be used together with the base attachment humid FDB293



● **Detector dust cap FDZ291**

- To cover the detector, for the protection against dust during construction work



## Technical data

|                          |   |                             |
|--------------------------|---|-----------------------------|
| Detector bases FDB221    | Conductor cross section                 |                             |
|                          | – Connecting terminals in detector base | 0.2... 1.5 mm <sup>2</sup>  |
|                          | – Auxiliary terminals                   | 1.0... 2.5 mm <sup>2</sup>  |
|                          | – Micro terminals                       | 0.28... 0.5 mm <sup>2</sup> |
|                          | Operating temperature                   |                             |
|                          | Storage temperature                     |                             |
|                          | Humidity                                |                             |
|                          | Protection category EN60529 / IEC529    |                             |
|                          | Color                                   | pure white, RAL 9010        |
| Detector heating FDBH291 | Operating voltage (normal operation)    |                             |
|                          | Operating current                       |                             |
|                          | Operating temperature                   |                             |
|                          | Storage temperature                     |                             |
|                          | Humidity                                |                             |

## Details for ordering

|                | Type     | Part no     | Designation                            | Weight   |          |
|----------------|----------|-------------|--|--|----------|
| Detector bases | FDB221   | A5Q00001664 | Detector base addressable              | 0.026 kg   |          |
| Accessories    | FDBZ291  | A5Q00002621 | Designation plate (10x)                | 0.034 kg   |          |
|                | DBZ1193A | 4864330001  | Detector designation plate (10x)       | 0.076 kg   |          |
|                | FDBH291  | A5Q00004439 | Detector heating incl. micro terminals | 0.039 kg   |          |
|                |          |             | DBZ1190-AA                             |  |          |
|                |          | DBZ1190-AA  | 4677080001                             | Micro terminals 0.28... 0.5 mm <sup>2</sup>                          | 0.001 kg |
|                |          | DBZ1190-AB  | 4942340001                             | Auxiliary terminals 1.0... 2.5 mm <sup>2</sup>                       | 0.007 kg |
|                |          | FDBZ293     | A5Q00005035                            | Detector locking device (2 hexagonal key, 100 hexagonal socket pins) | 0.035 kg |
|                |          | FDB291      | A5Q00001603                            | Base attachment  | 0.035 kg |
|                |          | FDB293      | A5Q00003945                            | Base attachment wet  | 0.320 kg |
|                |          | DBZ1194     | 4677110001                             | Protective cage  | 0.176 kg |
|                |          | FDBZ294     | A5Q00023040                            | EMC Protective cage  | 0,144 kg |
|                |          | FDZ291      | A5Q00004814                            | Detector dust cap  | 0.005 kg |
|                |          | –           | A5Q00004478                            | Metal screwed cable gland M20 x 1.5                                  | 0.039 kg |

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