Sounder base, alarm sounder
DBS720, FDS221-R, FDS221-W

Alarm devices for the automatically addressable detector bus C-NET

- **Sounder base DBS720**
  - 11 tones to choose from, 2 programmable alarm levels
  - Sound level up to 88 dB(A); can be set on two levels
  - Compatible with addressed FD720 point detectors
  - Connection for 2 external alarm indicators
  - Supply and communication via C-NET peripheral device

- **Alarm sounders FDS221-R, FDS221-W**
  - 11 tones to choose from, 2 programmable alarm levels
  - Sound level up to 99 dB(A); can be set on three levels
  - Compatible with addressed detector bases FDB221 and FDB222
  - Option of using base accessories and sealing element
  - Connection for 2 external alarm indicators
  - Supply and communication via C-NET
Properties

- Eco-friendly
  - Environmentally friendly processing
  - Reusable materials
  - Electronic parts and synthetic materials can be easily separated

- Sounder base DBS720 properties
  - Adjustable sounds and sound levels, sounds synchronized for all alarm devices
  - No auxiliary supply; supply takes place via C-NET
  - Very low operating current
  - Periodic test of acoustic part (inaudible)
  - Monitoring of device status
  - Space for auxiliary terminals

- Properties of alarm sounders FDS221-R, FDS221-W
  - Protected electronics, high-quality components
  - Integrated line separator
  - Adjustable sound level and tones
  - Addressed bases FDB221, FDB222 with screwless connection terminals
  - No auxiliary supply; supply takes place via C-NET
  - Very low operating current
  - Periodic test of acoustic part (inaudible)
  - Monitoring of device status

Use

- Sounder base DBS720 applications
  - Hotel rooms
  - Sick rooms
  - Care homes, living rooms, and lounges

- Alarm sounders FDS221-R, FDS221-W applications
  - Along escape routes
  - Corridors
  - Staircases

Intended use

The sounder base DBS720 and the alarm sounders FDS221-x are intended for use as alarm devices on an C-NET detector line in conjunction with a fire control panel FC72x ('Cerberus PRO' product line) or FC361-xx ('Cerberus FIT').
Sounder base accessories

1 Designation plate FDBZ291
2 Detector_base_seal RS720
3 DBS720
4 Micro terminal DBZ1190-AA
5 Connection terminal DBZ1190-AB

Detector base seal RS720
- For achieving a higher IP protection category
- Mounted between detector base and ceiling

Designation plate FDBZ291
- For labeling with the location address
- Can only be used without detector base seal FDBZ295

Detector locking device LP720
- For protection against theft of the point detector
- Set screw M3 x 12 mm prevents the point detector being unscrewed from the detector base
- Point detector can only be removed with the appropriate Allen key

DBZ1190-AA micro terminal and DBZ1190-AB connection terminal
- Micro terminal DBZ1190-AA
  - Cable cross section up to max. 0.5 mm²
- Connection terminal DBZ1190-AB
  - Cable cross section up to max. 2.5 mm²
  - For connecting two external alarm indicators or the cable shielding
### Addressable detector base FDB221 / FDB221-AA

**Function:**
- Detector base with stilts for fire detectors with addressable signal processing
- ‘Orange’ connection terminals, 0.2…1.5 mm² conductor cross-section
- FDB221-AA also contains micro terminal DBZ1190-AA

**Use:**
- For recess-mounted cable entry
- For surface-mounted cable entry up to a cable diameter of 6 mm

### Flat, addressable detector base FDB222

**Function:**
- Flat detector base for fire detectors with addressable signal processing
- ‘Orange’ connection terminals, 0.2…1.5 mm² conductor cross-section

**Use:**
- For flush mounting; only for recess-mounted cable entry

### Sealing element FDBZ295

**Function:**
- For improving the protection category. However, detectors can no longer be installed or removed using the detector exchanger.

**Note:** Cannot be used in conjunction with designation plate FDBZ291!

### Base attachment FDB291

**Function:**
- For routing surface-mounted cables larger than Ø 6 mm
- Detector base is secured with a snap fastener

### Base attachment humid FDB293

- For achieving a higher protection category
- For mounting in wet or humid environments
- Required when using detector heating unit FDBH291
- Required when using protective cage DBZ1194 or EMC-protective cage FDBZ294
- Mounted between detector base and ceiling
- Detector base mounted quickly: The detector base simply clicks into place in base attachment humid FDB293.
### Base attachment wet FDB295
- For achieving a higher protection category
- For mounting in wet or humid environments
- Required when using detector heating unit FDBH291
- Required when using protective cage DBZ1194 or EMC-protective cage FDBZ294
- Mounted between detector base and ceiling
- Detector base mounted quickly: The detector base simply clicks into place in base attachment wet FDB295.

### Protective cage DBZ1194
- To protect the point detector from damage
- Can only be mounted together with the following base attachments:
  - Base attachment humid FDB293
  - Base attachment wet FDB295
  - Base attachment wet BA721

### Designation plate FDBZ291
- For labeling with the location address
- Can only be used without sealing element FDBZ295

### Designation plate DBZ1193A
- For labeling with the location address
- Can only be used with the following base attachments:
  - Base attachment humid FDB293
  - Base attachment wet FDB295

### Detector locking device FDBZ293
- For protection against theft of the point detector
- Set screw M3 x 6 mm prevents the point detector being unscrewed from the detector base
- Point detector can only be removed with the appropriate Allen key

### DBZ1190-AA micro terminal and DBZ1190-AB connection terminal
- Micro terminal DBZ1190-AA
  - Cable cross section up to max. 0.5 mm²
- Connection terminal DBZ1190-AB
  - Cable cross section up to max. 2.5 mm²
  - For connecting two external alarm indicators or the cable shielding
Functions

DBS720 sounder base
- The sounder base provides an acoustic alarm in the addressed fire detection system FS720 and FS360
- Any detector can activate the sounder base
- Can be used with all point detectors from the Cerberus PRO FD720 series (for detectors, see product data sheet A6V10202198 and A6V10284161)

FDS221-R, FDS221-W
- Sound level of alarm sounding in the event of a fire alarm; clearly recognizable as a danger signal
- Synchronization of tones with the other addressed peripheral devices with tone function FDS229-x and sounder bases DBS720 on the same detector line (C-NET)
### Type Overview

<table>
<thead>
<tr>
<th>Type</th>
<th>Designation</th>
<th>Order number</th>
<th>Weight [kg]</th>
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<td>Sounder base</td>
<td>S54319-F5-A1</td>
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**Accessories**

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<thead>
<tr>
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<th>Designation</th>
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<td>LP720</td>
<td>Detector locking device</td>
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<td>DBZ1190-AB</td>
<td>Connection terminal 0.5…2.5 mm²</td>
<td>BPZ:4942340001</td>
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<table>
<thead>
<tr>
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<th>Order number</th>
<th>Weight [kg]</th>
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<td>FDS221-W</td>
<td>Alarm sounder, white</td>
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**Accessories**

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<th>Order number</th>
<th>Weight [kg]</th>
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<tr>
<td>FDB221</td>
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<td>Technical manual Alarm sounder FDS221</td>
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<td>A6V10393192</td>
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Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:

http://siemens.com/bt/download
Installation sounder base DBS720

- The sounder base DBS720 represents a unit together with the detector. It already has a base and is mounted on ceilings.
- For recess-mounted feed lines
- For surface-mounted feed lines, break open the applicable openings for cables with a diameter of up to 8 mm.
- For a higher protection category, use detector base seal RS720
- Only use detector base seal RS720 with recess-mounted feed lines
- The following detectors can be mounted:
  - Multi-sensor smoke detectors OH720, OOH740, OOHC740
  - Smoke detector OP720
  - Heat detectors HI720, HI722
Installing alarm sounders FDS221-R, FDS221-W

- The alarm sounder FDS221-x is inserted directly in a detector base FDB22x and mounted on walls or ceilings.
- For recess-mounted cable entry.
- For surface-mounted cable entry with a cable diameter of max. 6 mm with detector base FDB221.
  In the case of larger cable diameters, use base attachment FDB291, base attachment humid FDB293, or base attachment wet FDB295.
- In the case of recess-mounted cable entry for a higher IP protection category, use sealing element FDBZ295.

Disposal

The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.
- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.
## Technical data

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<th>Supply</th>
<th>FDS221-R / FDS221-W</th>
<th>DBS720</th>
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<td>DC 12…33 V</td>
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<td>• Base FDB221 or FDB222</td>
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<td>System compatibility C-NET</td>
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FDS221-R
- Sounder incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.

305/2011/EU (CPR): EN 54-3 / EN 54-17 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581

The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or https://siemens.com/bl/download

DoP No.: 0786-CPR-20012; DoC No.: CED-FDS221

FDS221-W
- Sounder incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.

305/2011/EU (CPR): EN 54-3 / EN 54-17 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581

The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or https://siemens.com/bl/download

DoP No.: 0786-CPR-20012; DoC No.: CED-FDS221

DBS720
- Sounder for use in fire detection and fire alarm systems installed in buildings.

305/2011/EU (CPR): EN 54-17 / EN 54-3 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581

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DoP No.: 0786-CPR-20780; DoC No.: CED-DBS720

Dimensional drawings