

FDSB291, FDSB292, FDS221-R, FDS221-W

Sinteso™

Sounder bases, Alarm sounders



addressable (FDnet), collective

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- **Sounder base FDSB291**
 - 11 tonalities selectable, 2 activation levels programmable
 - Sound intensity up to 88 dB(A), adjustable on 2 levels
 - Compatible to all addressable Sinteso point detectors
 - Connector for 1 external alarm indicator
 - Power supply and communication via FDnet
 - **Sounder base FDSB292**
 - 1 tonality intermittent, 1 activation level
 - Sound intensity 84 dB(A)
 - Compatible only with the FDOOT241-9 / FDOOT241-A9 on a collective detector line
 - Connector for 1 external alarm indicator
 - Power supply via detector line
 - **Alarm sounder FDS221**
 - 11 tonalities selectable, 2 activation levels programmable
 - Sound intensity up to 99 dB(A), adjustable on 3 levels
 - Compatible to the addressable detector base
 - Use of base accessories or sealing element possible
 - Monitoring of device status
 - Power supply and communication via FDnet

Characteristics

- **Environmental**

- ecologically processing
- recyclable materials
- electronic und synthetic material simple separable

- **Characteristics sounder base FDSB291**

- base addressable
- sound intensity and sounds adjustable, sounds are synchronized with all alarm devices
- screw less connection terminals
- no auxiliary power supply required; power is supplied via FDnet
- incl. 2 micro terminals DBZ1190-AA
- space for auxiliary terminals, for the connection of an alarm indicator

- **Characteristics sounder base FDSB292**

- base collective
- 1 sound, 1 sound intensity, no synchronization of sounds
- screw less connection terminals
- no auxiliary power supply required; power is supplied via detector line
- incl. 2 micro terminals DBZ1190-AA
- space for auxiliary terminals, for the connection of an alarm indicator

- **Characteristics alarm sounder FDS221-R, FDS221-W**

- protected electronics, high-quality components
- integrated short-circuit isolator
- sound intensity and sounds adjustable
- screw less connection terminals
- no auxiliary power supply required; power is supplied via FDnet
- very low operating current
- periodic testing of the acoustic part (not audible)
- monitoring of device status

Alarm sounder FDS221-R, FDS221-W

- **Function**

- loud alarming in case of fire alarm, clearly recognizable as danger signal

- **Application**

- along escape routes
- corridors
- staircases

Sounder base FDSB291, FDSB292

- **Function**

- The sounder base FDSB291 serves for acoustic alarming in an addressed fire detection system.
- The sounder base FDSB292 serves for acoustic alarming on a collective detector line, when the collective detector line is migrated to FDnet, the buzzer of the sounder base FDSB292 behaves in the same way as the sounder base FDSB291.
- In case of a fire alarm, the signal base triggers an acoustic signal in parallel to the flashing of the detector LED.

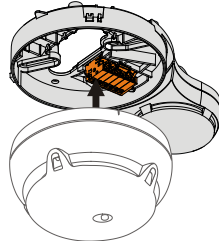
- **Application**

- hotel rooms
- hospital rooms
- nursing homes, living rooms and lounges

Installation FDSB22x

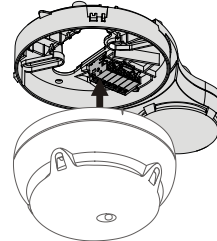
- The sounder base FDSB291, FDSB292 and the detector compose a unity, which already has a base and is mounted on ceilings.
- for recess supply wiring
- for surface supply wiring, cable diameter up to 6 mm

FDSB291
Sounder base (FDnet)



FDOOT or FDO or FDT

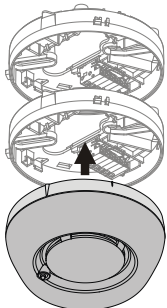
FDSB292
Sounder base (collective)



FDOOT241-9 or FDOOT241-A9
in collective mode

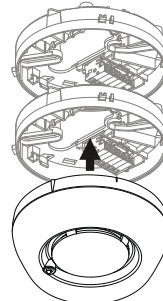
Installation FDS221

- The alarm sounder FDS221-R, FDS221-W is inserted directly in the detector base and mounted on walls or on the ceiling.
- for recess supply wiring
- for surface supply wiring, cable diameter up to 6 mm in diameter with base FDB221, otherwise use base attachment FDB291 or use base attachment humid FDB293.
- for higher protection category use sealing element FDBZ295 and only with recess supply wiring

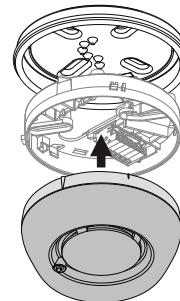


FDS221-R
Alarm sounder red

FDB221, FDB221-AA
Detector base
addressable
or
FDB222
Detector base flat,
addressable



FDS221-W
Alarm sounder white

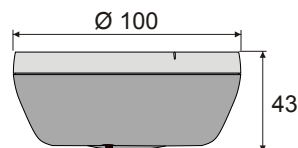


FDS221-x
Alarm sounder red or white

FDBZ295
Sealing element
FDB221, FDB221-AA
Detector base
addressable

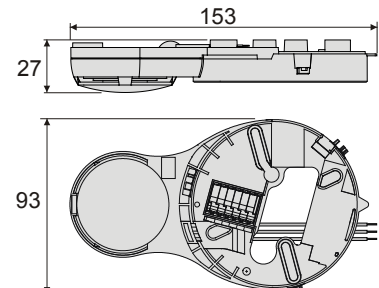
Dimensions

FDS221-R, FDS221-W without base



Height with base FDB221 = 52.5 mm
Height with base FDB222 = 47.5 mm
Height with base FDB221 and
sealing element FDBZ295 = 55 mm

FDSB291, FDSB292



Technical data

	FDS221-R / FDS221-W	FDSB291	FDSB292
Operating voltage	DC 12...33 V	DC 12...33 V	DC 12...33 V
Operating current (quiescent)	250 µA	150 µA	150 µA
Sound activated	3.5 mA	1.2 mA	1.2 mA
Number of sounds	11 2 activation levels 3 sound intensities	11 2 activation levels 2 sound intensities	1 1 activation level 1 sound intensity
Sound intensity	80...99 dB(A)	80...88 dB(A)	84 dB(A)
Ext. alarm indicator (AI)	2	1	1
Operating temperature	-25...+70 °C	-25...+70 °C	-25...+70 °C
Storage temperature	-30...+75 °C	-30...+75 °C	-30...+75 °C
Humidity	≤95 % rel.	≤95 % rel.	≤95 % rel.
Communication protocol	FDnet	FDnet	collective
Connection terminals	according to detector base	0.2...1.5 mm ²	0.2...1.5 mm ²
Color	red, ~RAL 3000 white, ~RAL 9010	white, ~RAL 9010	white, ~RAL 9010
Protection category EN 60529 / IEC 60529 with	mounting on the wall with cable feed from bottom →	IP43	IP43
– base FDB221 or FDB222	IP43, otherwise IP40	–	–
– base attachment FDB291	IP44	–	–
– base FDB221 and sealing element FDBZ295	IP54	–	–
– base attachment humid FDB293	IP54	–	–
Standards	EN54-3, EN54-17	EN54-3	EN54-3
Approvals:			
• VdS	G204073	G204062	G204062
• LPCB	531p/01	1157a/02	1157a/03
System compatibility FDnet	FS20, AlgoRex, SIGMASYS	–	–
System compatibility collective	–	–	CZ10, BC10, FC10, XC10, CS11, FC330A, FC700A, SIGMASYS, BMS, SPF, SM80/88/D100
QS standards	Siemens Standard SN 36350		

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FDS221-R, FDS221-W

Siemens Switzerland Ltd, Gubelstrasse 22
CH-6301 Zug, Switzerland
Technical data: see doc. **008109**

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

305/2011/EU (CPR): EN 54-3 / EN 54-17 ; 2004/108/EC (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581 ;

Declared performance and conformity can be seen in the Declaration of Performance and the EC Declaration of Conformity,
which is obtainable via the Customer Support center: Tel. +49 89 9221-8000 or <http://siemens.com/bt/download>

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

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FDSB291, FDSB292

Siemens Switzerland Ltd, Gubelstrasse 22
CH-6301 Zug, Switzerland
Technical data: see doc. **007025, 009769**

FDSB291, FDSB292 - Sounder for use in detection and fire alarm systems installed in buildings

305/2011/EU (CPR): EN 54-3 ; 2004/108/EC (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581 ;

Declared performance and conformity can be seen in the Declaration of Performance and the EC Declaration of Conformity,
which is obtainable via the Customer Support center: Tel. +49 89 9221-8000 or <http://siemens.com/bt/download>

DoP No.: 0786-CPR-20013; DoC No.: CED-FDSB291-FDSB292

Details for ordering

Type	Part no	Designation	Weight
FDSB291	A5Q00001647	Sounder base (FDnet)	0.076 kg
FDSB292	A5Q00013755	Sounder base (collective)	0.076 kg
FDS221-R	A5Q00004117	Alarm sounder red	0.130 kg
FDS221-W	A5Q00006711	Alarm sounder white	0.130 kg
FDBZ295	S54319-F10-A1	Sealing element	0.030 kg

Base and base accessories see document 007775, Details see equipment overview 008164, Details about system compatibility see List of compatibility 008331

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Manual FD20
Section 6