SIEMENS



FDSB291, FDSB292, FDS221-R, FDS221-W

Sinteso™

Sounder bases, Alarm sounders

CE

addressable (FDnet), collective

• 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

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

- 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

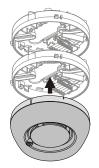
Sounder base (collective)



FDOOT241-9 or FDOOT241-A9 in collective mode

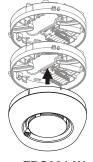
Installation FDS221

- 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

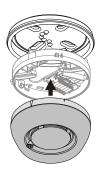


FDS221-R
Alarm sounder red

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



FDS221-W
Alarm sounder white



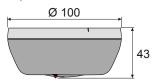
FDS221-x
Alarm sounder red or white

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 153 27

Technical data

	FDS221-R / FDS221-W	FDSB291	FDSB292
Operating voltage	DC 1233 V	DC 1233 V	
Operating current (quiescent)	250 μΑ	150 μΑ	
Sound activated	3.5 mA	1.2 mA	
Number of sounds	11	11	1
	2 activation levels	2 activation levels	1 activation level
	3 sound intensities	2 sound intensities	1 sound intensity
Sound intensity	8099 dB(A)	8088 dB(A)	84 dB(A)
Ext. alarm indicator (AI)	25 +70 °C	1	
Operating temperature	-25+70 °C -30+75 °C	-25+70 °C	
Storage temperature		-30+75 °C	
Humidity	≤95 % rel.	≤95 % rel.	
Communication protocol	FDnet	FDnet	collective
Connection terminals	according to detector base	0.21.5 mm ²	
Color	red, ~RAL 3000	white, ~RAL 9010	
	white, ~RAL 9010		
Protection category EN 60529 / IEC 60529 with	mounting on the wall with	IP43	
base FDB221 or FDB222	cable feed from bottom ->	_	
 base attachment FDB291 	IP43, otherwise IP40	_	
 base FDB221 and sealing element FDBZ295 	IP44	_	
 base attachment humid FDB293 	IP54	-	
Standards	EN54-3, EN54-17	EN54-3	
Approvals:			
VdS	G204073	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

Siemens Standard SN 36350 QS standards

07 **C E** 0786

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

07 **(€** 0786

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

Туре	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

Siemens Switzerland Ltd
Infrastrcture & Cities Sector
Building Technologies Division
International Headquarters
Fire Safety & Security Products
Gubelstrasse 22
CH-6301 Zug
Tel. +41 41 – 724 24 24
www.siemens.com/buildingtechnologies

© 2014 Copyright by Siemens Switzerland Ltd Data and design subject to change without notice. Supply subject to availability.

 Document no.
 007026_n_en_- Manual FD20

 Edition
 04.2014
 Section 6