SIEMENS



FDS229-R, FDS229-A

Cerberus™ PRO Sinteso™

Alarm sounder with supplementary optical indication

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For the automatic addressable detector bus C-NET and FDnet

- Alarm sounder with 11 tonalities selectable, 2 activation levels programmable
- Sound intensity up to 99 dB(A), adjustable on 3 levels
- The sounder has a fixed flashing sequence, flash mode adjustable
- Power supply and communication via C-NET/FDnet
- Compatible to the addressable detector base
- Use of base accessories possible
- Monitoring of device status

Environmental

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

Characteristics

- protected electronics, high-quality components
- integrated short-circuit isolator
- sound intensity and sounds adjustable, sounds are synchronized with all alarm devices
- flash mode adjustable
- addressable bases FDB221/222 with screw less connection terminals
- power is supplied via C-NET/FDnet, no auxiliary power supply required
- very low operating current
- periodic testing of the acoustic part (not audible)
- monitoring of device status

FDS229-R, FDS229-A Alarm sounder with supplementary optical indication

FDS229-R



FDS229-A



Function

- acoustic alarming in case of fire alarm, clearly recognizable as danger signal
- supplementary optical indication
- sounds are synchronized with all alarm sounders FDS221 and sounder bases
 DBS720 of the same detector line (C-NET/FDnet)
- flash mode
 - the sounder flashes each time the alarm sounder is active
 - alarm sounder and supplementary optical indication are activated separately

Application

- along escape routes
- corridors
- stair cases

Accessories

FDB221

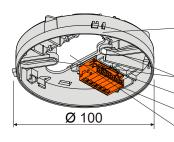


FDB222



Addressable base FDB221 and FDB222

- FDB221 base with stand-offs and FDB222 base flat with addressable signal processing
- terminals 'orange', wire cross-sectional area from 0.2 to 1.5 mm²
- for surface supply wiring, cable diameter up to 6 mm otherwise use base attachment FDB291
- FDB222 for recess supply wiring



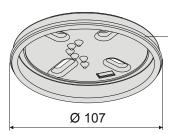
FDB221 base height 22 mm FDB222 base height 17 mm

Mounting slots min. 46 mm to max. 79 mm Loop contact Screw less connecting terminals Opening for cable entry



Sealing element FDBZ295

- for higher protection category
- Use only with base FDB221 and for recess supply wiring

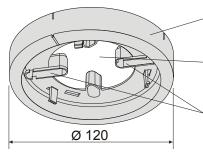


Height 30 mm Height with inserted alarm sounder beacon 55 mm



Base attachment FDB291

- for the supply of surface-mounted lines > Ø6 mm (break-outs)
- detector base FDB221 fixed with spring-loaded catch



Base height 25 mm Height with inserted alarm sounder beacon 54 mm

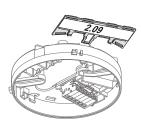
Opening for cable entry

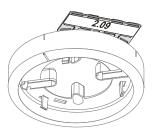
Mounting slots min. 46 mm to max. 90 mm



Designation plate FDBZ291

- to identify the location address
- compatible for base FDB221/222 and base attachment FDB291







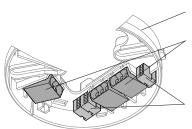
Micro terminal DBZ1190-AA

- for conductors of max. 0.5 mm²



Connection terminal DBZ1190-AB

- for conductors of max. 2.5 mm²
- for the connection of alarm indicators or cable screening

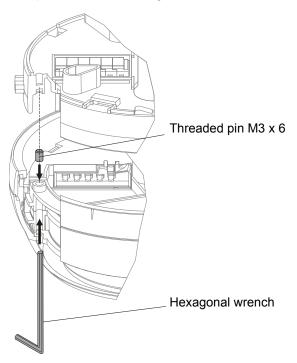


Base FDB221/222 Connection terminals DBZ1190-AA

Micro terminals DBZ1190-AB

Detector locking device FDBZ293

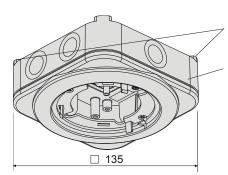
- to protect the detector against theft





Base attachment humid FDB293

- for higher protection category
- for mounting in humid or wet environments
- detector base FDB221 fixed with spring-loaded catch



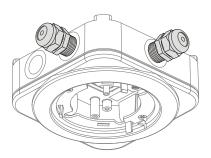
Mounting holes 153.5 mm

Base height 49 mm Height with inserted alarm device 81 mm



Metal screwed cable gland M20 x 1.5

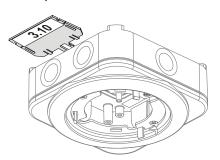
- for surface supply wiring for base attachment humid FDB293





Detector designation plate DBZ1193A

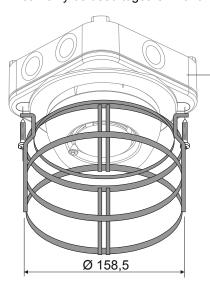
- compatible for base attachment humid FDB293





Protective cage DBZ1194

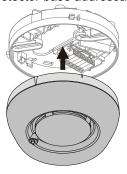
- for the protection of the detector against damage
- can only be used together with the base attachment humid FDB293



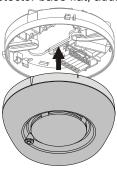
Base height with inserted protective cage 145 mm

- The alarm sounder FDS229-R, FDS229-A 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, only with recess supply wiring

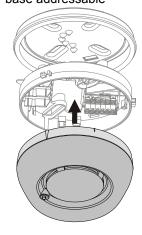
FDB221 detector base addressable



FDB222 detector base flat, addressable

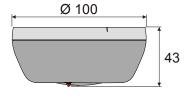


FDBZ295 sealing element and FDB221 detector base addressable



Dimensions

FDS229-R, FDS229-A 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

Operating voltage	DC 1233 V	
Operating current (quiescent)	250 μΑ	
 Sound activated 	3.5 mA	
 Supplementary indication activated 	3.5 mA	
 Sound and indication activated 	7.0 mA	
Number of sounds	11	
	2 activation levels	
	3 sound intensities	
Sound intensity	8099 dB(A)	
Number of flashing patterns	1 (intermittent)	
Light intensity (unit: candela, cd) at DC 32 V		
(depending on the viewing angle -30+30°):		
with hood red	1.273.2 cd	
with hood orange	1.12.8 cd	
Ext. alarm indicator (AI)	2	
Operating temperature		
FDS229-R (red)	-25+65 °C	
- FDS229-A (orange)	-25+55 °C	
Storage temperature	-30+75 °C	
Humidity	≤95 % rel.	
Communication protocol	C-NET/FDnet	
Connection terminals	according to detector base	
Color		
- FDS229-R	transparent red	
_ FDS229-A	transparent orange	
Protection category EN 60529 / IEC 60529 with		
base FDB221 or FDB222	mounting on the wall with cable feed	
 base attachment FDB291 	from bottom -> IP43, otherwise IP42	
 base FDB221 and sealing element FDBZ295 	IP44	
 base attachment humid FDB293 	IP54	
Standards	EN 54-3, EN 54-17	
Approvals	FDS229-R FDS229-A	
- VdS	G207156 G207156	
- LPCB	531p/03 531p/02	
System compatibility C-NET, FDnet	FS720, FS20	
QS standards	Siemens Standard SN 36350	

07 (€ 0786	FDS229-A, FDS229-R	Siemens Switzerland Ltd, Gubelstrasse 22 CH-6301 Zug, Switzerland Technical data: see doc. 010095		
FDS229 - 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/E	U (RoHS): EN 50581 ;		
	onformity can be seen in the Declaration of Performance the Customer Support center: Tel. +49 89 9221-8000 or l			
	DoP No.: 0786-CPR-20345; DoC No.: CED-FDS229			

Details for ordering

	Туре	Part no	Designation	Weight
	FDS229-R	A5Q00023093	Alarm sounder with supplementary optical indication, red	0.130 kg
	FDS229-A	A5Q00023092	Alarm sounder with supplementary optical indication, orange	0.130 kg
Accessories	FDB221	A5Q00001664	Detector base addressable	0.026 kg
	FDB222	S54319-F1-A1	Detector base addressable, flat	0.025 kg
	FDBZ293	A5Q00005035	Detector locking device (2 hexagonal key, 100 hexagonal socket pins)	0.035 kg
	FDBZ295	S54319-F10-A1	Sealing element	0.030 kg
	FDB291	A5Q00001603	Base attachment	0.035 kg
	FDBZ291	A5Q00002621	Designation plate (10x)	0.034 kg
	FDB293	A5Q00003945	Base attachment humid	0.320 kg
	_	A5Q00004478	Metal screwed cable gland M20 x 1.5	0.039 kg
	DBZ1193A	BPZ:4864330001	Designation plate (10x)	0.076 kg
	DBZ1194	BPZ:4677110001	Protective cage	0.176 kg
	DBZ1190-AA	BPZ:4677080001	Micro terminal 0.280.5 mm ²	0.001 kg
	DBZ1190-AB	BPZ:4942340001	Connection terminal 1.02.5 mm ²	0.007 kg

Details see equipment overview A6V10225323

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