



FDB221, FDB201

Sinteso™

Detector base



addressable, collective

-
- Base made from impact-proof and scratch-resistant synthetic material
 - Screwless terminals for easy connection without any tools
 - Completely covered by the detector
 - Recess or surface mounting
 - Accessories for surface mounting, humid or wet environments, theft prevention, dust protection, location inscription and detector heating unit against moisture condensation or frost formation
 - Version for addressable or collective fire detectors
 - Ecologic material concept

Characteristics

- **Environmental**

- ecologically processing
- recyclable materials

- **Characteristics**

- 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
- place for auxiliary terminals, for the connection of 2 response indicators, cable screening or the connection of a detector heating unit

Detector base

- **FDB221**

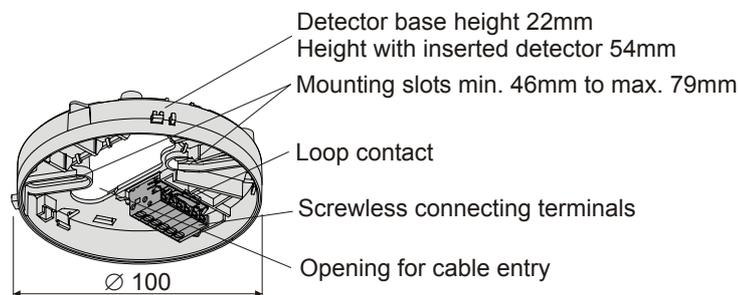
- for fire detectors with addressable signal processing
- terminals 'orange', wire cross-sectional area from 0.2 to 1.6 mm²

- **FDB201**

- for fire detectors with collective signal processing
- terminals 'grey', wire cross-sectional area from 0.2 to 1.6 mm²

- **Application**

- for recess mounting
- for surface mounting, cable diameter up to 6mm



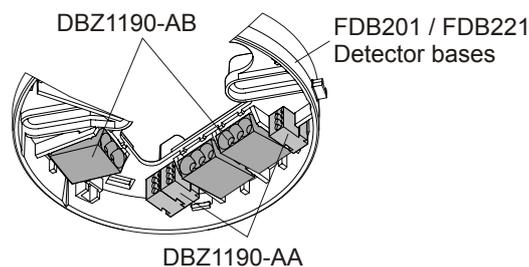
Auxiliary terminals / Micro terminals

- **DBZ1190-AA**

- for conductors of max. 0.5 mm²

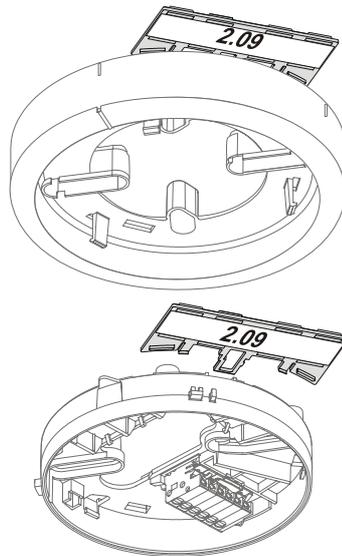
- **DBZ1190-AB**

- for conductors of max. 2.5 mm²
- for the connection of 2 response indicators or cable screening



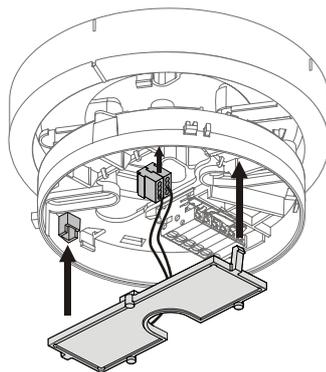
Designation plate

- **FDBZ291**
 - to identify the location address



Detector heating

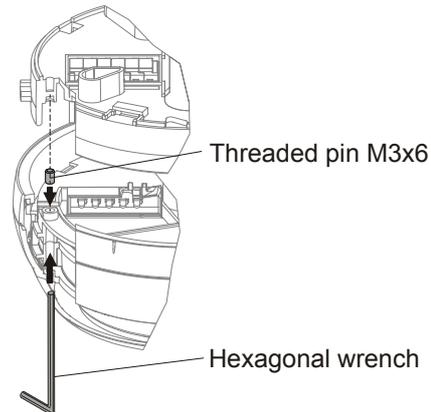
- **FDBH291**
 - for the operation of the fire detectors in critical environments, danger of frost formation or moisture condensation, e.g. in cold storage houses, attics, loading ramps, cheese storage cellars, etc.
 - optimum function of the detector heating is only ensured with the auxiliary base FDB291
 - 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**

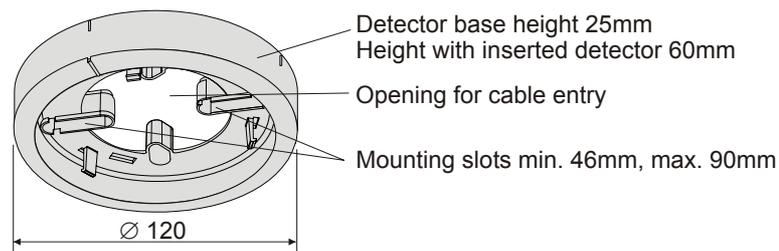
- to protect the detector against theft



Base attachment

- **FDB291**

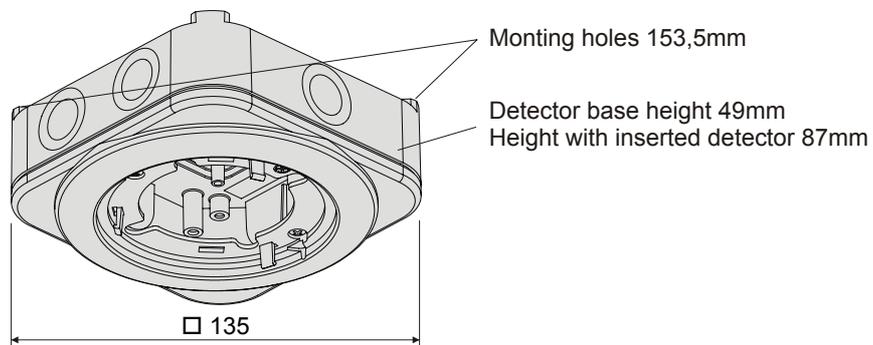
- for the supply of surface-mounted lines $> \varnothing 6\text{mm}$
- when the detector heating unit is used
- detector base FDB201/221 fixed with spring-loaded catch



Base attachment wet

- **FDB292**

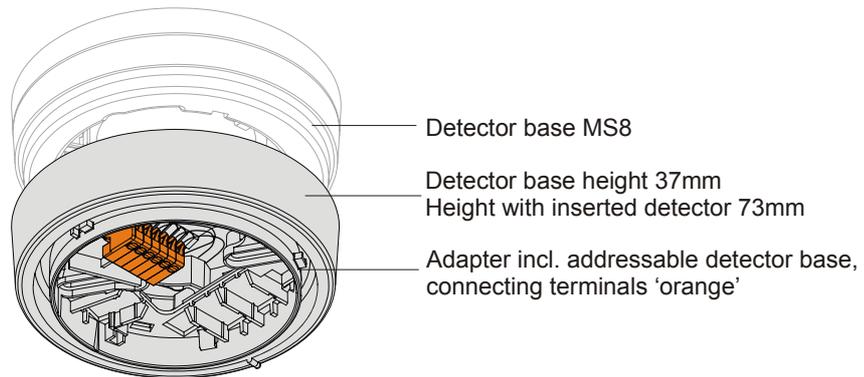
- for mounting in humid or wet environments
- detector base FDB201/221 fixed with spring-loaded catch



Base adapter

- **FDB281**

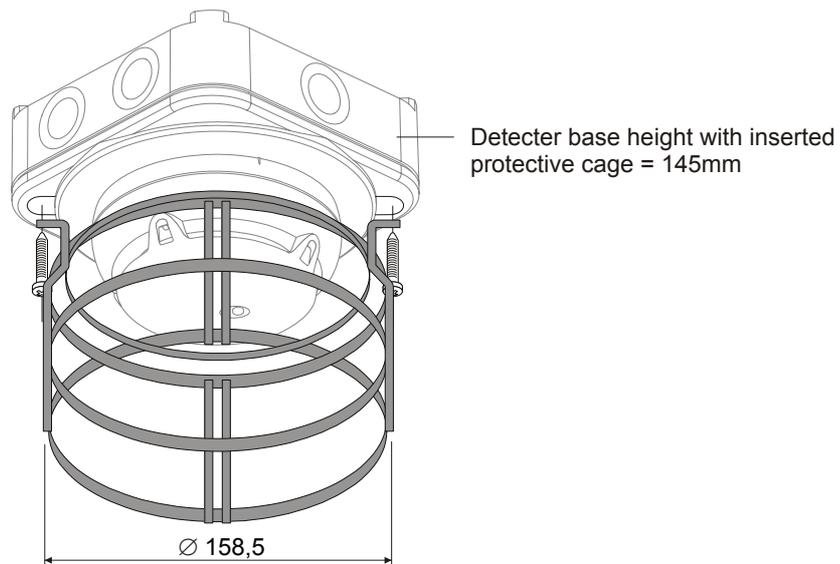
- adapter for MS8 detector base (existing, addressable MS8 fire detection systems)



Protective cage

- **DBZ1194**

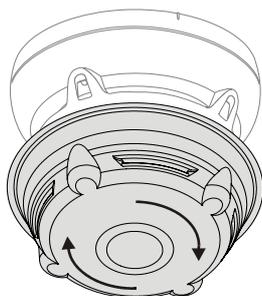
- for the protection of the detector against damage
- can only be used together with the base attachment FDB292



Detector dust cap

- **FDZ291**

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



Technical data

Detector base FDB201/221	Conductor cross section	
	- Connecting terminals in detector base	0.2... 1.6 mm ²
	- Auxiliary terminals	1.0... 2.5 mm ²
	- Micro terminals	0.25... 0.5 mm ²
	Operating temperature	
	Storage temperature	according to data sheet detectors
	Humidity	
	Protection category EN60529 / IEC529	IP44
	Color	
		pure white (RAL9010)
Detector heating FDBH291	Operating voltage (normal operation)	
		20... 30 VDC
	Operating current	
		35... 55 mA
Operating temperature		
	-30... +40 °C	
Humidity acc. to DIN 40040		
	≤ 95 % rel.	

Details for ordering

	Type	Part no	Designation	Weight
Detector base	FDB201	A5Q00003814	Detector base collective	0.028 kg
	FDB221	A5Q00001664	Detector base addressable	0.028 kg
Accessories	FDBZ291	A5Q00002621	Designation plate	0.002 kg
	FDBH291	A5Q00004439	Detector heating incl. micro terminals DBZ1190-AA	0.032kg
	DBZ1190-AA	4677080001	Micro terminals 0.28... 0.5 mm ²	0.001 kg
	DBZ1190-AB	4942340001	Auxiliary terminals 1.0... 2.5 mm ²	0.007 kg
	FDBZ293	A5Q00005035	Detector locking device (2 hexagonal key, 100 hexagonal socket pins)	0.038 kg
	FDB291	A5Q00001603	Base attachment	0.040 kg
	FDB292	A5Q00003940	Base attachment wet	0.328 kg
	FDB281	A5Q00004929	Base adapter	0.090 kg
	DBZ1194	4677110001	Protective cage	0.133 kg
	FDZ291	A5Q00004814	Detector dust cap	0.005 kg

Detector see data sheet 007005