



**FDOOT241-8**

Sinteso™  
S-LINE

**ASA Neural fire detector**



*ASAtechnology™*

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- For the application in MS8 detector system or as Sinteso™ detector in FDnet
  - Signal processing with *ASAtechnology™*
  - Event-controlled detection behavior
  - Early and reliable detection of emerging fires
  - High immunity to deceptive phenomena
  - Highest system availability thanks to redundant sensory analysis
  - Communication via MS8 or via FDnet
  - Ecologic material concept

## Characteristics

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- **Environmental**

- ecologically processing
- recyclable materials
- electronic und synthetic material simple separable
- ecologically beneficial detector testing without gas

- **Characteristics**

- resistant to environment and interference factors such as dust, fibers, insects, humidity, extreme temperatures, electro-magnetic interference, corrosive vapors, vibration, impact, synthetic aerosols and atypical fire phenomena
- signal processing with **ASAtechnology™** ('Advanced Signal Analysis')
- time- and process-dependent detection behavior
- proven and tested immunity to power electronics disturbances
- protected electronics, high-quality components
- sophisticated sensor and electronics surveillance
- redundant, high-quality sensor system
- built-in response indicator (AI), visible at 360°
- integrated short-circuit isolator
- the same detector base type can be used for each detector type

## ASA Neural fire detector FDOOT241-8

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- **Function**

- works according to the scattered light principle with two sensors, optical forward and backward scattering
- opto-electronic sampling chamber holds off disturbing extraneous light but optimally detects both dark and light smoke particles
- two additional hear sensors increase the fire detector's immunity to deceptive phenomena
- software can be set to neural fire detector, wide spectrum smoke detector or heat detector
- selectable detection behavior thanks to application-specific ASA parameter sets

- **Application**

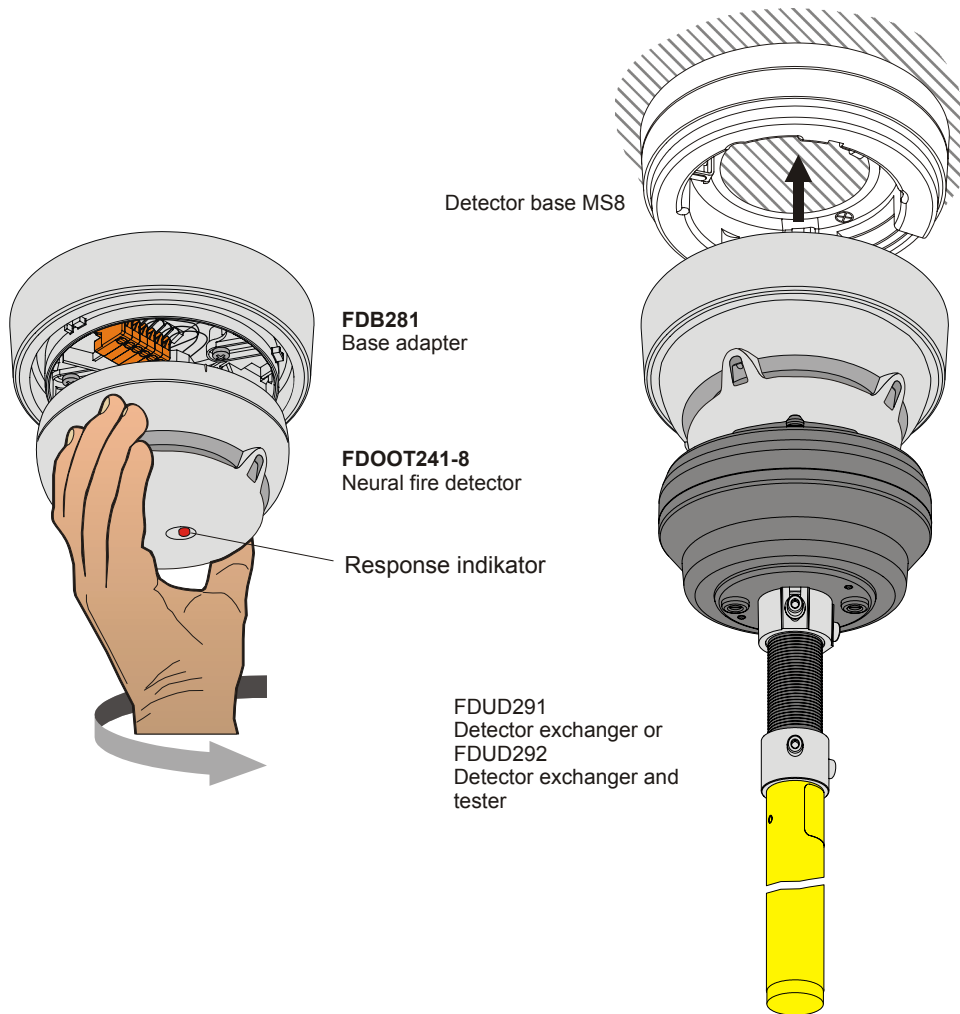
- for the early detection of flaming fires caused by the combustion of liquid and solid matters, as well as smoldering fires
- for the early and reliable fire detection in environments with deceptive phenomena
- addressable application possible, for the step-by-step modernization from MS8 to Sinteso™ FDnet

## Installation

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- **Easy, time-saving mounting**

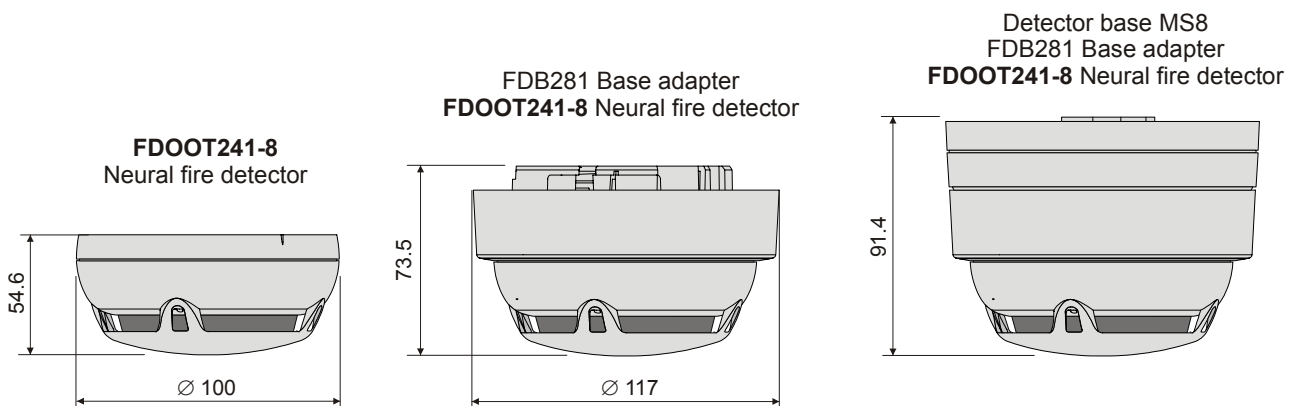
- no wiring required, base adapter FDB281 already pre-wired
- remove detector MS8
- turn detector FDOOT241-8 in the base adapter FDB281
- simply turn into both units into the MS8 base, by hand or with the detector exchanger (and tester)



### Efficiency on site

- no wiring, only detector exchange
- detector exchange without ladder up to 8 m height with detector exchanger FDUD291 or detector exchanger and tester and telescope rod or extension rod

### Dimensions



## Technical data

	FDOOT241-8 in detector system MS8	FDOOT241-8 in FDnet
Operating voltage (modulated)	14... 28 VDC	12... 33 VDC
Operating current (quiescent)	200 $\mu$ A	200... 280 $\mu$ A
Response indicator (AI)	not supported	2 extern connectable and pro- grammable
Operating temperature	-25... +70 °C	
Storage temperature	-30... +75 °C	
Humidity at T $\leq$ 34 °C at T $\geq$ 34 °C	$\leq$ 95% rel. short-term moisture condensation permitted $\leq$ 35 g/m <sup>3</sup>	
Communication protocol	MS8/PMT	FDnet
Color	pure white (RAL9010)	
Protection category EN60529 / IEC529		
- Base	IP43	
- Base attachment	IP44	
Standards	CEA4021 / EN54-5 / E54-7	
Approvals		
- VdS	G204133	
System compatibility	CZ10, BMS, SM88, SIGMASYS/PMT, SRS450	SIGMASYS/FDnet
QS standards	Siemens Standard SN 36350	

## Details for ordering

Type	Part no	Designation	Weight
FDOOT241-8	A5Q00004663	Neural fire detector	0.102 kg

Detector base accessories see data sheet 007775

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