



# A relaxed day begins after a peaceful night

The Ei6500-SA2 is a visual and stand alone smoke detector of the type C in accordance with DIN14676-1.

The Ei6500-SA2 offers a reliable early warning against domestic fires for 10 years. It has beyond that an obstacle recognition that ensures the free smoke entry. By means of an ultrasonic sensor the device controls its smoke inlets of on locks and tracks on obstacle within a radius of 50 cm that may obstruct the entry of smoke in case of fire. Through the integrated radio technologies, either the bidirectional Sontex Radio or the manufacturer's OMS radio system, the complete readout occurs remotely; time-consuming on-site visits are no longer required.



**Lifetime**  
10 years of reliable safety.



**Versatile**  
Thanks to the two available radio technologies, it can be easily integrated into all existing systems.



**Simple**  
Quick and easy installation and commissioning.



**Secure data readout**  
The end-to-end individual AES key encryption ensures the data protection.



**User-friendly**  
False alarm protection and manual suppression of fault messages.

**Sontex**

# Product characteristics



- 10 years Lithium battery (3V)
- Self detection of obstacles
- Dirt compensation
- Smart microprocessor
- Function Test
- Monitoring of smoke inlets
- Commissioning with Power-up LED
- Self-monitoring with error display
- Monitoring of the sound generator
- Suitable for bedrooms

## Specifications

<b>Homologation</b>	DIN14676-1 Type C, EN 14604 and DIN SPEC 91388
<b>Power supply</b>	Lithium battery, 3V, 10+1 years life time
<b>Sensor type</b>	Diffused light
<b>Piezo sound level</b>	95 dB(A) at 3 m
<b>Test/Mute button</b>	Yes
<b>Reduced test volume</b>	Yes
<b>Networking possibility</b>	Wired: no    Radio: no
<b>Mute in case of false alarm</b>	Yes , 10 min
<b>Automatic self-monitoring</b>	Yes
<b>Ready-to-operate</b>	Power-Up LED during commissioning, thereafter without optical display
<b>Remote inspection</b>	Procedure C
<b>Communication Sontex Radio</b>	Accessibility: bidirectional (from 06:00 to 18:00 +1h in the night according to serial number, 7 days per week) Frequency: 433.82 MHz
<b>Communication OMS</b>	Accessibility: unidirectional (data transmission every 120 seconds, 12 hours per day, 7 days per week) Frequency: 868.95 MHz
<b>Encryption</b>	Encryption: AES-128 (Sontex Radio Mode 5, OMS Mode 5 or Mode 7). Individual AES key downloadable from Sontex Exchange Platform
<b>Operating / storage temperature</b>	0 to + 40 degrees Celsius / - 10 to + 40 degrees Celsius
<b>Humidity</b>	15 % to 95 % rel., no condensation
<b>Weight / Dimension / IP protection</b>	320 g / ø 136 mm x 66 mm / IP20
<b>Housing material</b>	Plastic polystyrene (HB-classified according to UL94, self-extinguishing)
<b>Monitoring area</b>	≤ 60 m <sup>2</sup>