



OH320C

AlgoRex
Synova™

Smoke detector, conventional multi-sensor



For conventional detector line SynoLINE300

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- **Patented technology: 10x more resistant to dust and dirt than average**
 - **Unique product: 3 patents on the optical chamber**
 - **Transzorb: Above average lightning protection**
 - **Immune to electromagnetic interference from mobile telephones, fluorescent lights and most other sources**
 - **Exceeds national and international standards and passes the toughest internal tests**
 - **Click concept: Plug-in connections for detector installation and line connection**
 - **Siemens special: Each detector housing can be colored**
 - **Uncompromising use of environmentally-compatible materials**

Features

The OH320C is the most sensitive detector in the Synova 300 product range. It has a completely new optical and latest electronic system, which opens up new dimensions with regard to safety and function.

- **Smoke detector with the latest optical system**

- The OH320C combines optical and thermal fire detection functions in one detector. The functions are separately operated which increase the sensitivity of the detectors enormously. There is not just a simple AND logic but instead a specially-calculated algorithm which offers the today's advantages of optical and thermal fire detection.
- The OH320C has a completely new optical system. This innovative design provides a high resistance to dirt. The immunity from electromagnetic interference is at least five times better than the present standards.

- **Application**

- The OH320C is an extremely sensitive smoke detector. It is the right detector for anywhere where early detection of smoke or fire is important (e.g. in timbered and half-timbered houses, museums, galleries etc.).

- **The Synova 300 range offers the following**

- Products for every application
- Maximum flexibility, all types of detectors mounted on the same type of base
- Fast, easy installation due to simple click concept

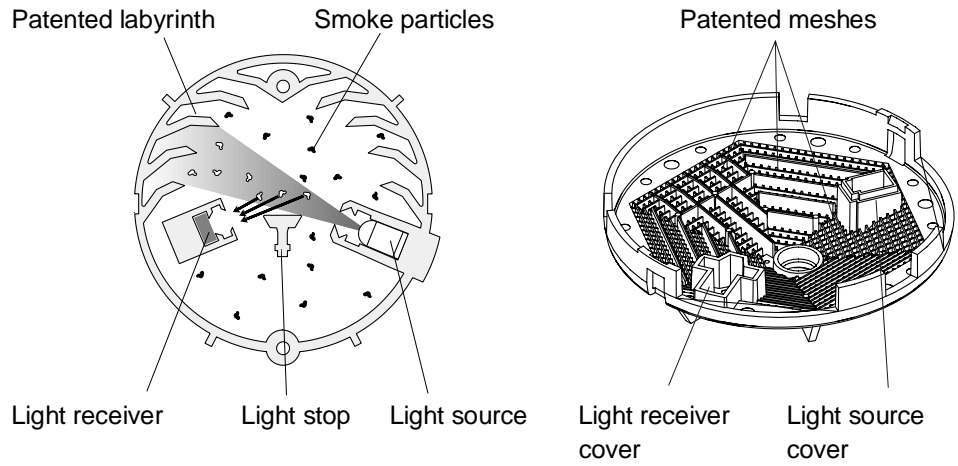
Design

- SO320 detector base – mounted whilst running cables – contains only the screw less click-in connector
- Click concept:
 - Plug-in connector for wiring (line connection)
 - Plug-in mounting for detector
- Up to two external alarm indicators type AI320/AI322 can be connected to each detector

Options

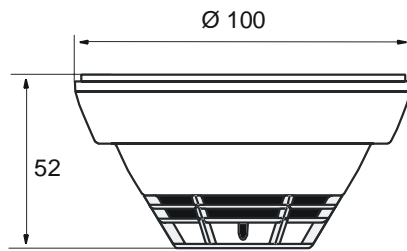
- CDM320 commissioning module: plug-in to check the pre-wired detector lines and base
- SOA322 base attachment for surface mounting
- Anti-theft device: TP320 detector cover locking device

Functional features of patented optical chamber

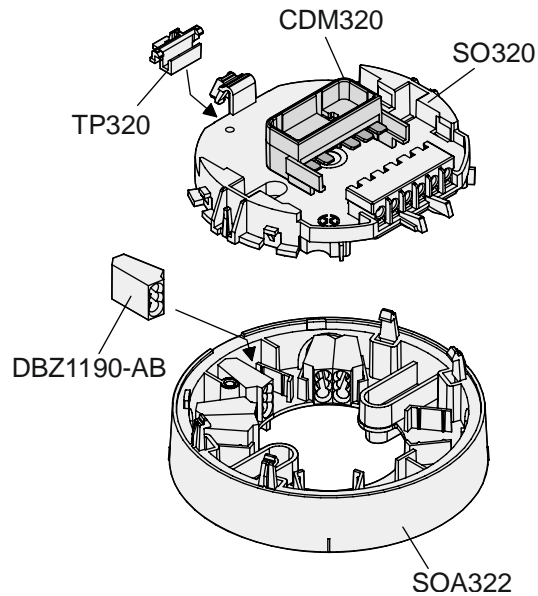


Dimensions

OH320C with SO320




Accessories



Technical data

Operating voltage	16... 28 VDC
Operating current	no smoke max. 100 µA with smoke max. 170 µA
Current consumption in alarm status	40 mA
Operating temperature	-10 ... +55 °C
Storage temperature	-20... +65 °C
Humidity (no condensation)	≤95 % rel.
Protection category	IP44
Color	white, ~RAL 9010
Standards	EN54-7
Approvals	
- VdS	G200109
- LPCB	531c/02
System compatibility	Compatible with all fire detection panels which support the SynoLINE300 specification. A list of compatible equipment is available from your local sales organization.
QS Standards	Industry-specific, certified quality assurance system in accordance with EN ISO 9001:2000.

05  0786	OH320C	Siemens Switzerland Ltd, Gubelstrasse 22 CH-6301 Zug Technical data: see doc. 001917
OH320C - Point type smoke detector for use in fire detection and fire alarm systems installed in buildings.		
305/2011/EU (CPR): EN 54-7 ; 2004/108/EC (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581		
The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download		
DoP No.: 0786-CPR-20026; DoC No.: CED-OH320C		

Details for ordering

	Type	Part no	Designation	Weight
Detector	OH320C	BPZ:5364190001	Smoke detector	0.060 kg
	SO320	BPZ:5085990001	Base	0.020 kg
Accessories	SOA322	BPZ:5358340001	Base attachment	0.020 kg
	DBZ1190-AB	BPZ:4942340001	Connecting terminal	0.001 kg
	CDM320	BPZ:5162350001	Commissioning unit	0.010 kg
	TP320	BPZ:5093100001	Detector cover locking device	0.005 kg
	AI91C	S54370-F7-A1	Alarm indicator for frame mounting	0.030 kg
	AI92C	S54370-F8-A1	Alarm indicator for surface mounting	0.050 kg
	AI330	BPZ:3169430001	Additional frame	0.020 kg

Issued by
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