OP320A

Optical smoke detector
for the auto-addressable detector bus SynoLOOP

- Patented technology: 10x more resistant to dust and dirt than average
- For special need: The detector sensitivity can be easily increased with the SW-tool or control panel.
- Immune to electromagnetic interference from mobile telephones, fluorescent lights and most other sources
- Auto-addressing eliminates the setting of dip switches, punch cards, etc. For a safe and easy start up
- Built-in isolator: in each SynoLOOP autoaddressable element
- Click concept: Plug-in connections for detector installation and line connection
- Siemens special: Each detector housing can be coloured
- Automatic localisation of interuptions and short circuits
Features

The optical smoke detector OP320A has an excellent all-round performance. It has a completely new and patented optical chamber with the latest electronics which opens up new dimensions in safety and functionality.

- **Product features**
  The OP320A has a completely new and patented optical system:
  - An excellent signal/noise ratio is achieved by precise beam guidance.
  - The asymmetrical, highly polished labyrinth enables a level of light absorption greater than ever before.
  - Due to the design of the futuristic-looking grid, the optical chamber has a very good resistance against both dirt and dust build-up, ensuring the receiver is not affected by those areas.

The immunity against electromagnetic interference is at least five times better than the present standards.

The OP320A detector is autoaddressed the first time the control panel is switched on. It allows individual identification in case of alarm.

A loop system ensures optimum security - should a short circuit occur, a built-in isolator localises the defective part on the detector bus and isolates it between two devices, therefore saving time investigating the entire system.

- **Application**
  The Optical detector OP320A is an excellent all-round detector. It is particularly suitable where there are normal environmental conditions.

Installation

- SO320 detector base – mounted whilst running cables – contains only the screwless click-in connector
- Click concept:
  - Plug-in connector for wiring (line connection)
  - Plug-in mounting for detector
- Up to two external response indicators type AI300/AI340 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

OP320A with SO320

Accessories
Technical data

Supply voltage 16 ... 28Vdc
Response sensitivity ≈ 2.5%/m (high sensitivity ≈ 1.8%/m)
Operating temperature -10 ... +55°C
Air humidity <95% r.h.
Type of housing protection IP44

Colour white (≈ RAL9010)
Standards EN54-7
Approvals VdS (G 298004); PAVUS (C-199-138); MDI (3503/354); LPCB (126r/01); CNBOP (215/98); AFNOR (LF 040 A0)
System compatibility Compatible with all SynoLOOP compatible panels (eg. FC330A). A list of compatible equipment is available from your local sales office.

Details for ordering

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<th>Part no.</th>
<th>Designation</th>
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