HI320A

Heat detector
(rate of rise and maximum)
for the auto-addressable detector bus SynoLOOP

- Registers rapid temperature rises regardless of the starting temperature
- Auto-addressing eliminates the setting of dip switches, punch cards, etc. For a safe and easy start up
- Automatic localisation of interruptions and short circuits
- Immune to mobile telephones, fluorescent tubes and most electromagnetic interference
- Built-in isolator: in each auto-addressable SynoLOOP element
- Siemens special: Each detector can be coloured
- Uncompromising use of environmentally-compatible materials
- Exceeds national and international standards and passes the toughest internal tests
Features

The HI320A is an extremely reliable rate of rise and maximum temperature detector for demanding applications. It is characterised by a reliable response behaviour, not only in the event of temperature rises which are slow, but also where the temperature rises are fast.

● Product features

The HI320A is a reliable heat detector for demanding requirements (up to 50°C). It offers an excellent response behaviour, both for slow rises in temperature and for rises in temperature which are fast. The immunity from electromagnetic interferences is at least five times better than the present standards.

The HI320A 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 HI320A is best suited for locations where different ambient temperatures occur (e.g. mechanical workshops, machine rooms etc.). Furthermore, its innovative design makes it particularly suitable where dirt, dust (e.g. sawmills) or high humidity environments could affect the operation of traditional detectors.

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 type AI300/AI340 response indicators 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
Typical response curve of detector

![Typical response curve of detector](image)

**Dimensions**

HI320A with SO320

![Dimensions](image)

**Accessories**

![Accessories](image)
Technical data

Supply voltage 16 ... 28Vdc
Operating temperature -10 ... +50°C
Air humidity <100% r.h.
Type of housing protection IP44
Colour white (≈ RAL9010)
Standards EN54-5 grade 1
Approvals VDS-DE (G298005); PAVUS-CZ (C-99-139);
LPCB-GB (126q/03); CNBOP-PL (211/98); AFNOR-FR
(E2 071 A0);
System compatibility Compatible with all SynoLOOP panels (e.g., FC330A). A list of compatible equipment is available from your local sales organisation.

Details for ordering

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<th>Type</th>
<th>Part no</th>
<th>Designation</th>
<th>Weight</th>
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<td>Heat detector (rate of rise and maximum)</td>
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