

HI322A

Synova™

Heat detector (maximum)



For the auto-addressable detector bus SynoLOOP

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- No alarm output for brief temperature rises which pose no danger
 - Auto-addressing eliminates the setting of dip switches, punch cards, etc. For a safe and easy start up
 - Automatic localization of interruptions and short circuits
 - Immune to mobile telephones, fluorescent tubes and most electromagnetic interference
 - Click concept: Plug-in connections for detector installation and line connection
 - Siemens special: Each detector can be colored
 - Uncompromising use of environmentally-compatible materials
 - Built-in isolator: in each auto-addressable SynoLOOP element

Features

The heat detector HI322A is a reliable heat detector for locations in which there are large fluctuations in temperature, such as like kitchens. It continuously measures the ambient temperature and reacts if there is a sustained increase over maximum predefined value.

● Product features

- The HI322A continuously monitors the ambient temperature. If the maximum temperature is exceeded, it transmits an alarm after a specified time period. No alarm is given in the event of a brief increase. The immunity to electromagnetic fields is at least five times better than the present standards.
- The HI322A detector is auto addressed 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 localizes the defective part on the detector bus and isolates it between two devices, therefore saving time investigating the entire system.

● Application

- The HI322A is particularly suitable for locations in which brief, high temperature fluctuations take place. The innovative design results in a high resistance to contamination, such as kitchens where there is a high fat content in the air; the traditional detectors could be affected by such contamination.

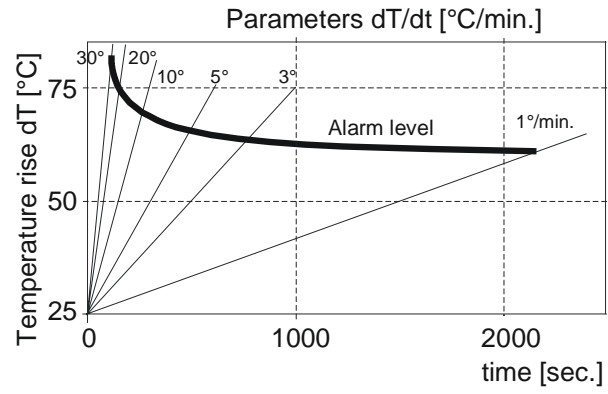
Design

- 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 type AI300/AI340 alarm indicators can be connected to each detector

Options

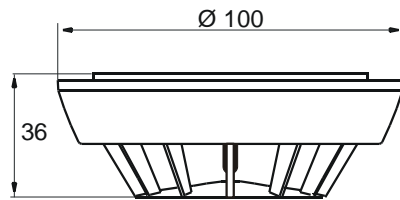
- CDM320 commissioning module: plug-in to check the pre-wired detector lines and base
- SOA322 base attachment for surface mounting
- Anti-theft device: TP320 detector cover locking device

Typical response curve of detector

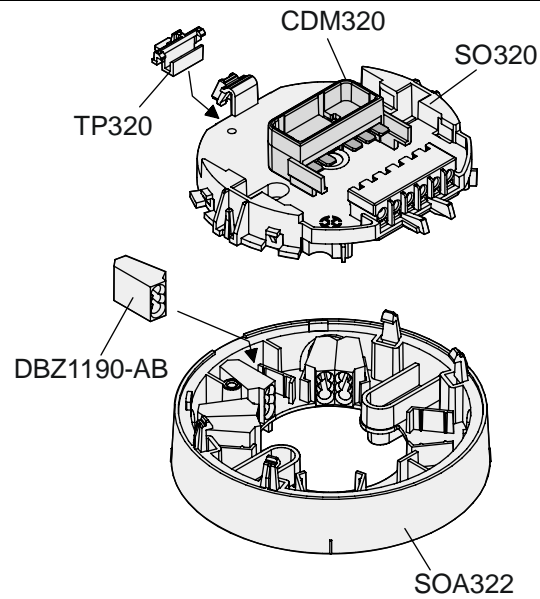


Dimensions

HI322A with SO320




Accessories



Technical data

Operating voltage	16... 28 VDC
Operating current (quiescent)	max. 200 µA
Operating temperature	-10... +50 °C
Storage temperature	-20... +65 °C
Humidity	≤95 % rel.
Protection category	IP44
Color	white, ~RAL 9010
Standards	EN54-17, EN54-5: A2
Approvals	
– VdS	G299025
– LPCB	531f/04
System compatibility	Compatible with all SynoLOOP compatible panels. A List of compatible equipment is available from your local sales office.
QS Standard	Industry-specific, certified quality assurance system in accordance with EN ISO 9001:2000.

05  0786	HI322A	Siemens Switzerland Ltd, Gubelstrasse 22 CH-6301 Zug Technical data: see doc. 001926
HI322A - Point type heat detector incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.		
305/2011/EU (CPR): EN 54-5 / EN 54-17 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3		
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-20160; DoC No.: CED-HI322A		

Details for ordering

	Type	Part no	Designation	Weight
Detector	HI322A	BPZ:5316500001	Heat detector (maximum)	0.040 kg
	SO320	BPZ:5085990001	Base for Synova 300 series detectors	0.020 kg
Accessories	SOA322	BPZ:5358340001	Base attachment for surface mounting	0.020 kg
	DBZ1190-AB	BPZ:4942340001	Connecting terminal 1... 2.5 mm ²	0.001 kg
	CDM320	BPZ:5162350001	Commissioning unit	0.010 kg
	TP320	BPZ:5093100001	Detector cover locking device	0.005 kg
	FDAI92	S54370-F3-A1	Alarm indicators for wall mounting	0.050 kg
	FDAI91	S54370-F9-A1	Alarm indicators for door frame	0.020 kg
	AI330	BPZ:3169430001	Additional frame	0.020 kg

Issued by
Siemens Switzerland Ltd
Building Technologies Division
International Headquarters
Gubelstrasse 22
CH-6301 Zug
Tel. +41 41 724 24 24
www.siemens.com/buildingtechnologies

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