

# Conventional Detection Devices

## Thermal Heat Detector Model HI121

### Architect & Engineer Specifications

- Magnet-test feature
- Incorporates one (1) state-of-the-art thermal sensor for uniform response and positioning
- Available optional sounder base, providing an alert and evacuation signal
- UL 521 Listed, ULC S530 Listed
- FM, CSFM Approved

### Product Overview

Model HI121 from Siemens – Fire Safety is a thermal detector that comes with a new magnet-test feature. The magnet-test feature allows for Model HI121 to be tested without the use of a heat gun, providing quick testing for installers and test personnel to prove the integrity of the wiring and proper connection to the fire alarm control panel (FACP).

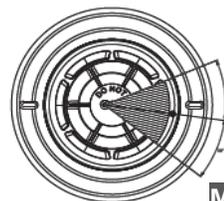
An indication of supervision status is provided by Siemens Fire’s unique (3) three-color light-emitting diode (LED) provided locally on the detector – and optionally with the various remote LED indicators.



**Model OH121**  
(with TM121 Test Magnet)



**Model HI121**



**Model TM121**  
Test Magnet Placement



Environmental Ratings	
OPERATING TEMPERATURE:	32°F (0°C) – 100°F (38°C)
HUMIDITY:	0 – 95% (non-condensing)
ALARM TEMPERATURE:	135°F (57°C)
AIR PRESSURE:	No Effect
AIR VELOCITY:	0 – 4000 feet / minute [for open-area protection and direct, in-duct application]

Electrical Ratings	
VOLTAGE:	16VDC – 27VDC
RIPPLE:	3V (peak to peak)
SUPERVISORY CURRENT:	100µA
ALARM CURRENT:	50mA
START-UP TIME:	30 seconds, max.

Details for Ordering		
MODEL OR TYPE	PART NUMBER	PRODUCT
HI121	S54372-F3-A1	Thermal Heat Detector
TM121	S54370-S12-A1	Test Magnet
OH121	S54372-F2-A1	Multi-Sensor Smoke Detector
OP121	S54372-F1-A1	Photoelectric Smoke Detector
DB-11	500-094151	Low-Profile Surface-Mount Base
DB-11E	500-094151E	Smaller-Diameter Detector Base
RLC-11	500-694625	Remote LED Ceiling Mount Detector, red
RLW-11	500-694626	Remote LED Wall Mount Detector, red
RSAC-11	500-694935	Remote, Multi-Color LED: Ceiling Mount
RSAW-11	500-695101	Remote, Multi-Color LED: Wall Mount

See: [www.STI-USA.com](http://www.STI-USA.com) for further details on ordering Model STI-9604

**In Canada order:**

MODEL OR TYPE	PART NUMBER	PRODUCT
DB-11C	500-095687	Detector Mounting Base, ULC Listed

LED Indicator Operation		
FLASH COLOR	CONDITION	FLASH INTERVAL
GREEN	Normal supervisory operation.	10
YELLOW	Detector is in trouble and needs replacement.	5
RED	Alarm condition.	2.5
NO FLASH	Detector is not powered, or detector requires repair.	--

**NOTICE** – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

**SIEMENS**

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March - 2023  
(Rev. 4)