

SIEMENS**Data Sheet**

Fire Safety & Security Products

Conventional Detection Devices

Thermal Heat Detector

Model HI121

ARCHITECT AND ENGINEER SPECIFICATIONS

- Magnet-test feature
- Incorporates one (1) state-of-the-art thermal sensor for uniform response and positioning
- Available optional relay base
- Available optional sounder base, providing an alert and evacuation signal
-  UL521 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.

Ratings

Environmental:

Operating Temperature:	32°F (0°C) – 100°F (38°C)
Humidity:	Up to 95% relative humidity, 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]

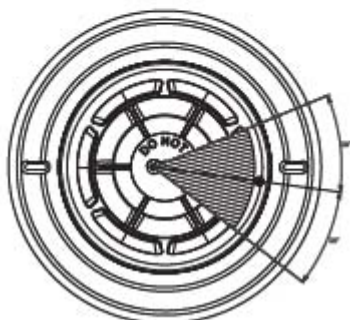
Electrical:

Voltage:	16 – 27 VDC
Ripple:	3V (peak to peak)
Supervisory Current:	100µA
Alarm Current:	30 – 50mA
Start-Up Time:	30 seconds, max.

Mounting Diagrams



Model HI121
(with TM121 Test Magnet)



Model TM121
(Test-magnet placement)

Details for Ordering

Model Number	Part Number	Description
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
RR-11	500-694922	Relay Module
RSAC-11	500-694935	Remote, Multi-Color LED: Ceiling Mount
RSAW-11	500-695101	Remote, Multi-Color LED: Wall Mount

STI-9604	--	STI Mechanical Protection Guard
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See: www.STI-USA.com for further details.

LED Indicator Operation

Flash Color	Condition	Flash Interval (in seconds)
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: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.