135°F Fixed Temperature Heat Detector

Applications
The HD135 Heat Detector is for use as a warning device in residential applications. Each alarm has a solid state piezo signal to warn and alert the household to the presence of threatening heat.

The HD135 alarm is designed to detect heat that results from an actual fire. Heat detectors are intended for use as supplements to smoke alarms. This unit cannot detect smoke or other toxic gases, therefore, do not rely solely on this heat detector to provide a warning of fire.

In the event AC Power fails, a 9VDC battery will provide proper alarm operation for a minimum of a 24-hour period.

Standard Features
• Available in 120VAC with 9VDC Battery Back-Up
• Horn Frequency 3100Hz (Nominal)
• 135°F Fixed Temperature
• 90dBA Temporal Piezo Horn
• 1 Year Warranty From Date of Purchase
• Solid-State LED Condition Indicator
• Quick-Disconnect Wiring Harness
• Can interconnect to 9120/9123, 7100/7103, 710CS/7109CS and 713CS/7139CS Series
• Mounting Hardware Adapts to Standard Junction Boxes
• On-Site Maintenance Washing Program
• Low or Missing Battery Indicator

Electrical Specifications
Operating Voltage .....................120 VAC, 60Hz
Operating Current ....................0.035 amps
Operating Ambient Temp Range ...........0°F to 110°F
Alarm Horn Rating ....................90dBA at 10 ft.
Size ..............................Diameter: 6.5 in. OA (5.75 in. at Ceiling)
........................................Depth: 2.625 in.
Secondary Power Source ..........Alkaline 9 VDC Battery

Product Listings
• BFP (City of Chicago)
• BS+A/MEA (Pending)
• CSFM #7254-0569:125
• UL 539

GENTEX CORPORATION
A Smarter Vision®

HD135
SERIES

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**Architect & Engineering Specifications**

The Heat Detector shall be a Gentex Model HD135 or approved equal which shall provide at least the following features and functions.

1. Nominal rating shall be 135°F fixed temperature.
2. The detector shall utilize a bimetallic sensing element when the surrounding air temperature reaches 135°F, the unit will go into alarm.
3. The detector shall have a 9 VDC alkaline battery as a back-up in the event building power is lost.
4. The 9 VDC battery impedance shall be verified by the circuit of the heat detector.
5. The detector shall provide an indicator when the battery is low in power or high impedance or is missing.
6. A solid state piezo alarm rated at 90dBA at 10ft.
7. A visual LED monitor (condition indicator) will slow pulse in normal operation and rapid pulse in alarm.
8. The detector shall have tandem capabilities of up to 18 units.
9. Can be interconnected with AC detectors, Gentex 9120/9123, 7100/7103, 710CS/7109CS and 713CS/7139CS Smoke Detector Series, or other Gentex HD135 units.
10. The manufacturer shall provide other compatible heat detector models or smoke detector models with the following optional features: a) 135°F isolated thermal with normally opened contact for remote connection to local alarm or annunciator; b) 135°F integral thermal; c) auxiliary Form A/Form C relay contact for initiating remote functions and annunciation; d) relay option that is capable of activation by tandem interconnect wire. Thermal sensor shall be self-restoring.
11. Unit must be UL 539 listed for both wall and ceiling mount.
12. Unit shall also meet all requirements of the State of California Fire Marshal.

All equipment shall be completely factory assembled, wired and tested, and the contractor shall be prepared to submit a certified letter testifying to this condition. Detectors which do not meet all of the requirements of this specification will not be considered.