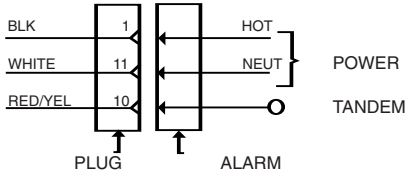


HD135 S E R I E S

Wiring Diagrams

Heat Detector Wiring Diagram



CAUTION
RED/YELLOW WIRE:
DO NOT REMOVE
INSULATION CAP
UNLESS CONNECTING
ANOTHER ALARM.

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.

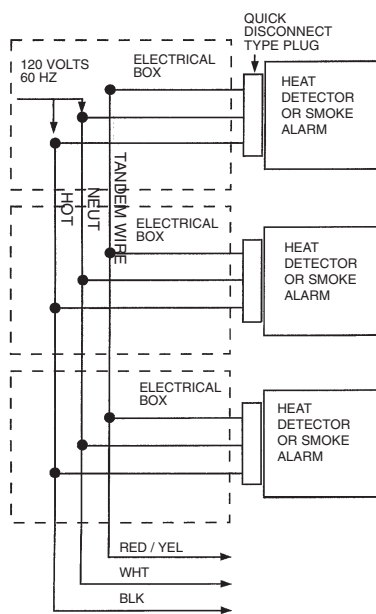
All equipment shall be completely factory assembled, wired and tested, and the contractor shall be prepared to submit a certified letter testifying to this condition.

Detectors which do not meet all of the requirements of this specification will not be considered.

WIRING TWO OR MORE DETECTORS:

Tandem Installation

CAUTION: All alarms in a tandem installation must be controlled by the same fuse or circuit breaker. Otherwise tandem units will not operate. Tandem will operate in the event of an AC power failure if battery is connected to the alarm. **LIMITATIONS:** A heat detector can be connected to a maximum of 12 smoke and 5 other heat detectors, to total not more than 18 interconnected devices. Do not exceed 1125 feet between the first and last detector. **NOTE:** A maximum of five (5) alarms of either model 9120/9123 or 7100/7103 with the relay options (F) and 3 heat detectors may be tandem interconnected. Wire used for interconnecting shall be in accordance with article 760 of the national electrical code (NES) ANSI/NFPA 70-1981, and must not exceed a resistance of 10 ohms.



24 units per carton
34 pounds per carton

GENTEX CORPORATION

Fire Protection Products: www.gentex.com
10985 Chicago Drive Box 310 • Zeeland, Michigan 49464
616.392.7195 • 1.800.436.8391 • 616.392.4219 Fax

Gentex corporation reserves the right to make changes to the product data sheets at their discretion.

Important Notice:

These materials have been prepared by Gentex Corporation ("Gentex") for informational purposes only, are necessarily summary, and are not purported to serve as legal advice and should not be used as such. Gentex makes no representations and warranties, express or implied, that these materials are complete and accurate, up-to-date, or in compliance with all relevant local, state and federal laws, regulations and rules. The materials do not address all legal considerations as there is inevitable uncertainty regarding interpretation of laws, regulations and rules and the application of such laws, regulations and rules to particular fact patterns. Each person's activities can differently affect the obligations that exist under applicable laws, regulations or rules. Therefore, these materials should be used only for informational purposes and should not be used as a substitute for seeking professional legal advice. Gentex will not be responsible for any action or failure to act in reliance upon the information contained in this material.

551-0041-01

Printed on Recycled Paper