

HEAT DETECTOR

135° FIXED TEMPERATURE

Recommended for garages,
bathrooms, kitchens, laundry rooms,
and crawl space applications
not suitable for smoke alarm installation



Features

135°F Fixed Temperature Heat Sensor

Operates on 120V AC

Interconnectable up to 18 multiple station alarms

"Quick-Connect" wiring harness

Oversized mounting bracket

Green LED condition indicator

85dB piezo alarm horn

Manual test button

Benefits

Provides reliable early warning when conditions rise above 135°F

Continuous protection when properly connected and receiving power

Unit detects high heat condition, identifies itself and sends alarm signal to other units connected in series.

Allows faster and easier connection to AC power

Mounts to any standard electrical junction box up to 4" octagonal without screw removal.
Covers drywall cut-outs better

Power: Solid on
Alarm: Extinguished

Provides audible notification of high heat condition

Tests all detector functions

Cat. No. **HD6135F**

HEAT DETECTOR 135° FIXED TEMPERATURE

APPLICATION:

BRK® Electronics Model HD6135F is a single and/or multiple station heat detector specifically designed for residential and institutional applications including hospitals, hotels, motels, dormitories, and other multifamily dwellings as defined in standard NFPA 101. Model HD6135F has been fully tested and complies with standards UL539, UL217, CSFM, and NFPA 72.

Model HD6135F 135°F Heat Detector is designed to give reliable early warning of heat from fire by sounding an 85dB audible alarm when room conditions rise above 135°F. This heat detector is not a smoke alarm nor has it been designed as a life safety device. Its primary purpose is to assist in providing protection of property against fire. The unit operates on 120V AC. A green LED power-on indicator shines continuously when the unit is properly wired to the main AC power supply. The sensor consists of a heat sensitive bi-metallic disc, a stationary contact, a spring-like moveable contact, and one transfer pin. Under normal conditions, the two contacts are kept open by the transfer pin. At room temperature, the disc exerts pressure on the moveable arm through the transfer pin keeping the two contacts open. When the temperature threshold is reached, the bi-metallic disc contracts and reduces pressure on the moveable arm resulting in closure of the contacts. Closure of the contacts is immediately detected by the integrated circuit which constantly monitors the voltage at the contacts signaling the unit to sound an audible alarm.

Model HD6135F is designed for both single and multiple station applications. When interconnected in series, the heat detector sensing heat sends a signal to all other units to sound an audible alarm. The unit that triggers the alarm extinguishes its LED indicator. Green LED indicators remain on for all other inter-connected units. A maximum of 18 multiple station alarms can be interconnected (refer to NFPA 72, UL217 and/or local building codes for further information on inter-connection).

Designed to cover most drywall cut-outs, the specially designed oversized mounting bracket mounts to any junction box up to 4" octagonal and does not require screw removal. Connection to AC power is made with a "Quick-Connect" wiring harness. Installation is quick, easy, and cost-effective.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS:

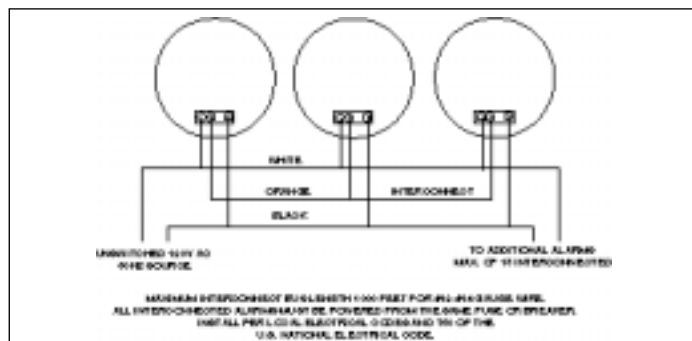
The 135°F Fixed Temperature Heat Detector shall be BRK Electronics Model HD6135F or approved equal and shall provide, at a minimum, the following features and functions.

1. A 135°F fixed temperature heat sensor with nominal sensitivity of 135°F (+5°F, -10°F).
2. The unit shall be capable of self-restoring.
3. The heat detector shall be powered by 120V AC.
4. A visual green LED condition indicator will shine continuously to confirm the unit is receiving AC power.
5. A manual test button to check all detector functions by stimulating the sensor to simulate a high heat condition, causing the unit to alarm.
6. A solid state piezo alarm horn rated at 85dB at 10ft.
7. The unit shall be capable of operating between 0°F and 110°F (-18°- 43°C) and relative humidity of 10% and 90%.

8. The unit shall mount to any standard electrical junction box up to 4" octagonal without screw removal and shall be listed for ceiling or wall mounting.
9. The unit shall have a plug-in connector and be capable of inter-connection up to 18 multiple station alarms per NFPA 72 and UL217. In multiple station alarm configurations, the unit sensing heat will identify itself as well as send a signal to sound an alarm to all other units connected in series.
10. The unit shall at a minimum meet the requirements of UL217, the State of California Fire Marshal (CSFM), and NFPA 72.

TECHNICAL SPECIFICATIONS

Operating Voltage	120V AC, 60Hz
Operating Current	.025 amps (standby/alarm)
Operating Ambient Temp. Range	0°F (-18°C) to 110°F (43°C)
Operating Humidity Range	10% to 90% RH
Nominal Sensitivity	135°F (+5°F, -10°F)
Alarm Horn Rating	85dB at 10 ft.
Interconnect Voltage	9V DC
Alarm Reset	Automatic when temperature of sensor cools below 90°F
Interconnection	Interconnectable up to 18 units with BRK Electronics models 86RAC, 4919, 5919(TH), 100S, 2002RAC, HD6135F, 4120B, and 4120SB only
Test Button	Stimulates the chamber to simulate high heat condition, causing the unit to alarm
LED Condition Indicator	Green LED solid on
AC Power	Green LED extinguished
Local Alarm Condition	Green LED solid on
Remote Alarm Condition	Green LED solid on
Dimensions	1.86" H x 5.4" D
Weight	6.4oz.
NAED #	50932
Master Pack	12 units



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