

# HEAT ALARM

CAT. **HD6135FB**



## 135°F FIXED & RATE OF RISE

Microprocessor controlled - Features Fixed Rate and Rate of Rise temperature sensing - allows unit to alarm prior to reaching the fixed temperature setting of 135°F.

## IR REMOTE CONTROL

Can test or silence the alarm with most household remote controls.

## LATCHING ALARM INDICATION

Microprocessor controlled - Automatically identifies initiating alarm, even after alarm condition has subsided.

## TWO SILENCE FEATURES

Can silence the low battery chirp for up to eight hours or temporarily silence an unwanted nuisance alarm.

## INTERCONNECTABLE TO BRK SMOKE ALARMS

Distributed by:

# BRK ELECTRONICS®

## 120V AC/DC, 60Hz Wire-in with 9V Battery Back-up

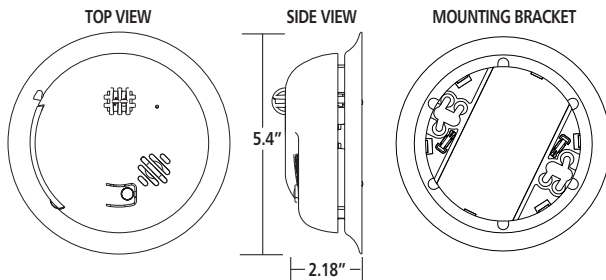
### Description:

The BRK Electronics Cat. No. HD6135FB is a wire-in, 120 VAC 60Hz single and/or multiple station heat alarm designed to supplement smoke alarms in residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. Model HD6135FB complies with UL539, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. It meets building codes where AC/DC heat alarms are required. This heat alarm is not a smoke alarm nor has it been designated a life safety device.

BRK Electronics HD6135FB is designed to give reliable early warning of heat from fire. It is recommended for garages, crawl spaces, bathrooms, kitchens, laundry rooms or other applications not suitable for smoke alarm installations. It features exclusive IR remote control test/silence that can be activated by most household remote controls. The unit contains a thermistor that senses heat and will alarm when either the temperature reaches 135°F or when a rate of rise of 15°F/minute is sensed by the microprocessor. This feature enables a more rapid response to a potential fire. The unit has an 85dB horn, a 9V battery backup power supply, an easy access side-load battery drawer, two silence features: nuisance alarms and low battery silence and is interconnectable up to 18 devices. The unit features "Latching Alarm Indication". When interconnected in series, the unit that triggered the alarm rapidly flashes its red LED indicator. After the alarm condition subsides, the initiating unit will store in memory or "latch" the information and begin to flash once every 5 seconds. The red LED indicators remain off on all other interconnected units. The unit mounts to any standard junction box up to 4" size. Keyhole slots in the mounting bracket eliminate the need to remove the junction box screws for installation. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment. Two locking features are provided to prevent battery theft and/or theft of the unit. Connection to AC power is made with a "Quick-Connect" wiring harness. Installation is quick, easy and cost effective.



BSI Registered Firm - Certificate #PA21268

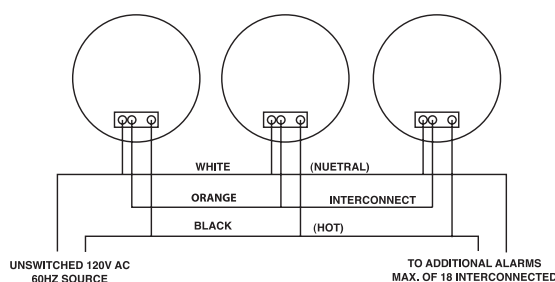
**CAT. HD6135FB****120V AC/DC, 60Hz Wire-in with 9V Battery Back-up****ARCHITECTURAL AND ENGINEERING SPECIFICATION:**

The heat alarm shall be a BRK Electronics Model HD6135FB and shall provide at a minimum the following features and functions:

1. A thermistor and microprocessor capable of sensing and alarming at a 135°F fixed temperature level and a 15°F/min. rate of rise temperature change.
2. Powered by 120V AC, 60Hz and have a monitored 9V battery backup. In battery backup mode, the battery must last for 24 hours minimum in standby and then 4 minutes minimum in alarm.
3. A visual LED (green) power-on indicator to confirm unit is receiving power. A flashing green indicator once/minute to confirm unit has switched to battery backup mode. A visual LED (red) to indicate unit is in alarm.
4. A test/silence button to check all detector functions and to silence any nuisance alarms.
5. An infrared remote (IR) feature to test and/or silence the alarm with most household remote controls.
6. In addition, the unit shall have a low battery silence that is capable of silencing the low battery alarm for up to eight hours while AC powered.
7. The unit shall feature "Alarm Latch Indication" which identifies the unit or units that initiated the alarm in an interconnected series.
8. The unit shall perform self diagnostic tests every second and issue a audible malfunction warning (three rapid chirps) if the unit malfunctions.
9. A solid state piezo horn rated at 85dB at 10 ft. that provides a repeating horn pattern: 3 beeps, pause, 3 beeps, pause.
10. The unit shall be capable of operating between -10°F (-23°C) and 135°F (57°C) and relative humidity between 10% and 90%.
11. The unit shall center mount to any standard electrical junction box up to 4" size without screw removal and shall be listed for wall or ceiling mounting.
12. The unit shall have an optional locking mechanism to deter theft of battery and/or theft of the unit.
13. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms.
14. The unit shall at a minimum meet the requirements of UL539, CSFM, NFPA 72, NFPA 101, ICBO, BOCA, SBCCI and CABO.

**INSTALLATION OF HEAT ALARM**

Installation of this heat alarm must conform to all local electrical codes and Article 760 of the National Electrical Code (NFPA 70) and NFPA 72. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker. If local codes do not permit, be sure the neutral wire is common to both phases. Only those BRK Electronics catalog numbers listed in the "Technical Specs" section under "Interconnection" may be connected to these heat alarms.

**BRK ELECTRONICS®****TECHNICAL SPECS :**

Alarm Dimensions	5.40" dia x 2.18"H
Weight	7.3 oz
Operating Voltage	120V AC 60Hz Pure Sine Wave w/ 9V battery backup
Operating Current	.05 amps, 120VAC (standby/alarm)
Temperature Range	-10°F (-23°C) to 135°F (57°C)
Humidity Range	10% to 90% relative humidity (RH)
Audio Alarm	85dB at 10 feet
Test Button	Simulates an alarm condition. Verifies alarm operation
Alarm Reset	Automatic when temperature of sensor stops increasing and cools below 130°F
Interconnections	Up to 18 total with SC6120B, 4120, 4120B, 4120SB, 4120AB, 4120SAB, 4919, 2002RAC, 100S, 5919, 5919TH, HD6135F, HD6135FB. Maximum of 12 smoke alarms.
Sensor	Thermistor
Wiring	Quick connect plug with 8" pigtails
Indicator LED	<b>AC Power:</b> Constant Green LED <b>DC Power:</b> Intermittent Green LED <b>Local Alarm:</b> Audio alarm and rapidly flashing Red LED <b>Remote Alarm:</b> Audio alarm and Red LED <b>Latching Alarm:</b> Red LED flashes after local alarm stops

**SHIPPING SPECS :**

Individual Carton Dimensions	5.5"L x 2.50"W x 5.625"H
Weight	.50 lbs.
Cube	.045 ft <sup>3</sup>
UPC	0 29054 50810 2
Master Carton Dimensions	16.813"L X 10.313"W X 6.25"H
Master Pack	12
Weight	6.25 lbs.
Cube	.63 ft <sup>3</sup>
UPC	100 29054 50810 9
Pallet Information	
Cases per layer	10
Number of layers	7
Cases per pallet	70
Cube	54.72 ft <sup>3</sup>
Weight	550 lbs.

**Manufactured By:**  
BRK Brands, Inc  
3901 Liberty Street Road  
Aurora, IL 60504-8122

**BRK ELECTRONICS®**  
[www.brkelectronics.com](http://www.brkelectronics.com)