SMOKE ALARM

^{cat.} 9120B Series



DUAL IONIZATION

Dual lonization sensing chamber. Generally more effective at detecting small particles produced by flaming fires. Sources may include paper or kitchen grease.

LATCHING ALARM INDICATOR

Remembers which unit initiated an alarm.

SILENCE FEATURE

Silences nuisance alarms.

TWO LOCKING FEATURES

Pins are provided to lock battery drawer and/or alarm to base. Perfect for apartment, dormitory or hotel applications.

Available in the following versions:

9120B	AC Alarm with silence and battery backup
9120AB	Same as 9120B but with alkaline battery
9120LB	Same as 9120B but with lithium battery
9120B-48P	48 pack of Boxed 9120B
9120B-48B	48 pack of Bulk 9120B
9120B6CP	Contractor Bulk 6-pack of 9120B Alarm





120V AC, 60Hz Wire-in with 9V Battery Backup

Description:

The BRK Brands, Inc. model number 9120B is a wire-in, 120V AC 60Hz single and/ or multiple station smoke alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. The 9120B complies with UL217, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. It meets building codes where AC/DC with Silence smoke alarms are required. The alarms are interconnectable with up to 18 devices, of which 12 can be smoke alarms.

The BRK[®] 9120B alarm features a dual ionization smoke sensing chamber, an 85dB horn, 9V battery backup and a "silence" feature. The "Smart Technology" system is designed to reduce nuisance alarms. "Latching Alarm Indication" remembers which unit initiated an alarm. When interconnected in a 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 the LED indicator 2 seconds on, 2 seconds off. The "Perfect Mount" system features a gasketless base and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for true alignment. Other Contractor Preferred features include a dust cover to keep alarm clean during construction, keyhole slots in the mounting bracket eliminate the need to remove the electrical box screws for installation. 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.



CAT. 9120B Series



TOP VIEW





ARCHITECTURAL AND ENGINEERING SPEC

The smoke alarm shall be a BRK Model 9120B and shall provide at a minimum the following features and functions:

- 1. A dual ionization sensing chamber.
- The unit shall be capable of self restoring. 2.
- Powered by 120V AC, 60Hz and have a monitored 9V battery backup and a solid 3. state piezo horn rated at 85dB at 10 ft.
- A visual LED power-on indicator to confirm unit is receiving power or is in alarm. 4
- 5. A full function test button. The test button should check all alarm functions by stimulating the chamber to simulate a smoke condition, causing the unit to alarm.
- 6. Silence feature - Temporarily silence unwanted nuisance alarms.
- 7. Two Locking features tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket. Battery drawer is shipped pre-locked so battery will not be discarded prematurely.
- 8. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
- 9. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
- 10. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.

Mounting bracket Mounting Slots Locking Pins

Hot (Black) AC Wire

battery here Quick-Connect Plug

Smoke Alarm

Ceiling or Wall

Power Connecto

Nuetral (White) AC Wire

Interconnect (Orange) Wire Battery Drawer Latch Battery Drawer - Install 9V

(Maximum 12 Smoke Alarms)

5. Junction Box

6. Neutral Wire (White)

8. Hot Wire (Black)

7. Interconnect Wire (Orange)

11. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72, NFPA 101, ICC.

INSTALLATION OF ALARM

Installation of this smoke 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.

THE PARTS OF THIS SMOKE ALARM

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678 Unswitched 120VAC 60 Hz source To additional units: Maximum = 18 total

В

TECHNICAL SPECS

Alarm Dimensions:	5.6"dia. x 2.0"H	
Weight:	7.8 oz	
Operating Voltage:	120V AC 60Hz w/ 9V battery backup	
Operating Current:	0.04 amps (standby/alarm)	
Temperature Range:	40°F (4°C) to 100°F (38°C)	
Humidity Range:	10% to 95% relative humidity (RH)	
Audio Alarm:	85dB at 10 feet	
Test/Silence:	Electronically simulates smoke condition, causing the unit	
	to alarm. Press and hold test/silence button.	
Alarm Reset:	Automatic when smoke clears	
Interconnections:	ns: Up to 18 units of First Alert or BRK Smoke, CO and Heat	
	Alarms. Maximum of 12 smoke alarms. See user's manual.	
Smoke Sensor:	Dual Ionization	
Indicator Lights/Sounds:		
AC Power:	Constant Green LED	
DC Power:	Intermittent Red LED	
Local Alarm:	m: Red LED flashes rapidly	
Remote Alarm:	emote Alarm: Red LED out.	
Latching Alarm:	Green LED flashes 2 sec. on/2 sec. off after local alarm	
Listing:	Listed to UL217 Standard	

SHIPPING SPECS

Individual Carton Dimensions Weight Cube UPC	5.69"L x 2.25"W x 5.59"H 0.61 lbs. 0.04 ft3 9120B: 0 29054 51301 4 9120AB: 0 29054 51302 1 9120LB: 0 29054 51303 8		
Master Carton Dimensions	14.43"L x 6.19"W x 12.63"H (9120B/AB/LB) 28.37"L x 11.87"W x 12.19"H (9120B-48P) 25.44"L x 11.62"W x 13.82"H (9120B-48B)		
Master Pack	12 (9120B, 9120AB, 9120LB) 48 (9120B-48P, 9120B-48B)		
Weight	7.9 lbs. (9120B) 29.4 lbs: (9120B-48P 26.6 lbs. (9120B-48B)		
Cube:	0.65 ft3 (9120B-48B) 2.36 ft3 (9120B-48P, 9120B-48B)		
I2of5:	9120B: 100 29054 51301 1 9120AB: 100 29054 51302 8		
	9120LB: 100 29054 51303 5 9120B-48P: 200 29054 51301 8 9120B-48B: 300 29054 51301 5		
Pallet Information			
Cases per Layer	19 (9120B, 9120AB, 9120LB) 4 (9120B-48P) 6 (9120B-48B)		
Number of Layers:	3 (9120B, 9120AB, 9120LB) 4 (9120B-48P)		
Cases per Pallet:	3 (9120B-48B) 57 (9120B, 9120AB, 9120LB) 16 (9120B-48P) 18 (9120B-48B)		
Units per Pallet:	684 (9120B, 9120AB, 9120LB) 768 (9120B-48P) 864 (9120B-48B)		
Cube:	42.2 ft3 (9120B, 9120AB, 9120LB) 41.9 ft3 (9120B-48P) 48.5 ft3 (9120B-48B)		
Weight:	439 lbs. (9120B 40B) 535 lbs (9120B-48P) 544 lbs. (9120B-48B)		



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