

SMOKE ALARM

CAT. 9120 SERIES



(9120B only)

DUAL IONIZATION

Dual Ionization 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.

SMART TECHNOLOGY

Helps reduce the number of non-emergency or nuisance alarms.

SINGLE BUTTON TEST/SILENCE

One touch button combines both features

TWO LOCKING FEATURES

Pins are provided to lock battery drawer and/ or alarm to base. Great for apartment, dormitory or hotel applications where unauthorized removal of battery or alarm is not desired.

Available in the following versions:

9120	AC Alarm with silence
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
9120B-GFD	18 count Gravity Feed Display
91206CP	Contractor Bulk 6-pack of 9120 Alarm
9120B6CP	Contractor Bulk 6-pack of 9120B Alarm



IONIZATION



BRK®

THE PROFESSIONAL STANDARD

120VAC, 60Hz Wire-in with 9V Battery Backup (9120B)

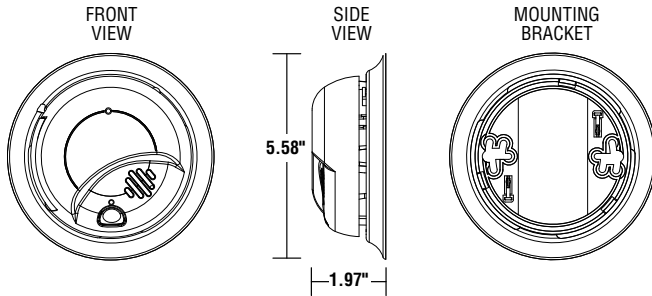
Description:

The BRK Brands, Inc. Cat. Nos. 9120 and 9120B are wire-in, 120V AC 60Hz single and/or multiple station smoke alarms 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. Models 9120 and 9120B comply with UL217, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. They meet building codes where AC and 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® 9120 Series alarms feature a dual ionization smoke sensing chamber - screened for insect protection, an 85dB horn, 9V battery back-up (all versions except model 9120) 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 green 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. This will allow fine-tuning on the positioning to compensate for out of aligned wall studs and to keep the wording level when wall mounting. A Single button test/silence button eliminates confusion. Depending on what mode the alarm is in, pushing the button will test, silence, re-test the alarm when in silence and clear the latching feature. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment. 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. 9120 SERIES

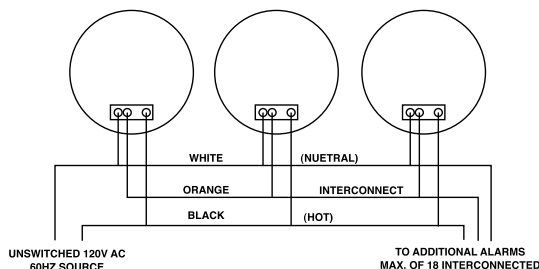


ARCHITECTURAL AND ENGINEERING SPEC

1. The unit shall be capable of self restoring.
2. A screened sensing chamber to prevent entry of small insects thereby reducing the probability of unwanted nuisance alarms.
3. Powered by 120V AC, 60Hz and have a monitored 9V battery backup model 9120B only).
4. A visual LED (green) power-on indicator to confirm unit is receiving power.
5. A test button to check all alarm functions by simulating a smoke condition, causing the unit to alarm.
6. A solid state piezo horn rated at 85dB minimum at 10 ft.
7. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 90%.
8. The unit shall center mount to any standard electrical junction box up to 4 inches octagonal without screw removal and shall be listed for wall or ceiling mounting.
9. The unit shall have a locking mechanism to deter battery removal (model 9120B only) and /or theft of the unit.
10. 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.
11. 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.
12. 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.



TECHNICAL SPECS:

Alarm Dimensions:	5.58" dia x 1.97"H
Weight:	6.5 oz (9120); 7.8 oz (9120B)
Operating Voltage:	120V AC 60Hz w/ 9V battery backup (9120B only)
Operating Current:	.04 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 90% relative humidity (RH)
Audio Alarm:	85dB minimum at 10 feet
Test/Silence:	Electronically simulates the smoke condition, causing the unit to alarm
Alarm Reset:	Automatic when smoke clears
Interconnections:	Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms. See user's manual for details.
Smoke Sensor:	Dual chamber ionization
Indicator Lights:	
AC Power:	Constant Green LED
DC Power:	Intermittent Red LED (9120B only)
Local Alarm:	Red LED flashes rapidly
Remote Alarm:	Red LED out Latching Alarm: Red LED flashes every 5 seconds after local alarm stops
Agency Listing:	UL217 Standard

SHIPPING SPECS:

Individual Carton Dimensions:	5.69"L x 2.25"W x 5.59"H
Weight:	.53 lbs. (9120); .61 lbs. (9120B).
Cube:	.041 ft ³
UPC:	9120: 0 29054 51300 7 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
Master Pack:	12 (9120, 9120B, 9120AB, 9120LB) 18 (9120B-GFD) 48 (9120B-48P, 9120B-48B)
Weight:	7.0 lbs. (9120) 7.9 lbs. (9120B) 12.8 lbs: (9120B-GFD) 25.0 lbs (9120B-48P, 9120B-48B)
Cube:	653 ft ³ (9120, 9120B, 9120AB, 9120LB) 1.20 ft ³ (9120B-GFD) 2.36 ft ³ (9120B-48P, 9120B-48B)
I2of5:	9120: 100 29054 51300 4 9120B: 100 29054 51301 1 9120AB: 100 29054 51302 8 9120LB: 100 29054 51303 5
Pallet Information:	
Cases per Layer:	19 (9120, 9120B, 9120AB, 9120LB) 21 (9120B-GFD) 6 (9120B-48P, 9120B-48B)
Number of Layers:	3 (9120, 9120B, 9120AB, 9120LB) 2 (9120B-GFD) 3 (9120B-48P, 9120B-48B)
Cases per Pallet:	57 (9120, 9120B, 9120AB, 9120LB) 42 (9120B-GFD) 18 (9120B-48P, 9120B-48B)
Cube:	42.2 ft ³ (9120, 9120B, 9120AB, 9120LB) 55.8 ft ³ (9120B-GFD) 43.4 ft ³ (9120B-48P, 9120B-48B)
Weight:	393 lbs. (9120) 439 lbs. (9120B, 9120AB, 9120LB) 601 lbs: (9120B-GFD) 479 lbs (9120B-48P) 649 lbs. (9120B-48B)



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