

SMOKE ALARM

PHOTO & ION

CAT. **SA320B**



OptiPath 360™
Technology

PHOTO/ION SENSORS

Dual Photoelectric & Ionization sensing technologies for optimal sensing of smoke particles produced in both flaming and smoldering fires.

TWO LATCHING FEATURES

Alarm Latch: Remembers which unit initiated an alarm.

Low Battery Latch: Visually Identifies which unit is in low battery condition.

TWO SILENCE FEATURES

Alarm Silence: Silence an unwanted alarm for several minutes.

Low Battery Silence: Temporarily silence low battery chirp for up to 8 hours.

OPTIPATH 360 TECHNOLOGY™

Provides 360 degrees of direct access to the smoke sensing chambers.

BATTERY POWERED

Powered by two AA alkaline batteries.



BRK®

THE PROFESSIONAL STANDARD

3V (two 1.5V AA) Battery Powered

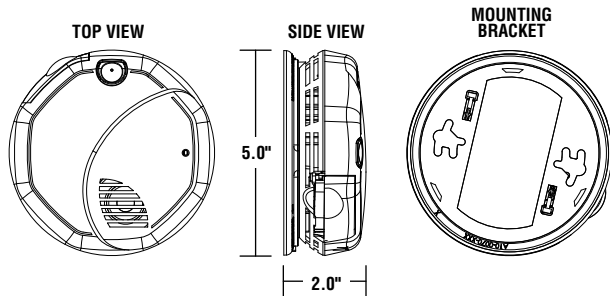
Description:

The BRK Model No. SA320 is a battery powered single station photoelectric and ionization dual sensor 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. Model SA320 complies with UL217, CSFM, NFPA 72, HUD (Note: Certain HUD battery powered applications may require a 10 Year sealed tamper resistant battery. This alarm does not meet that requirement. Substitute First Alert SA340B.), FHA and other agencies that model their codes after the above agencies. It meets building codes where battery powered photoelectric and ionization combination smoke alarms are required.

The BRK SA320B is a state-of-the-art battery powered smoke alarm that features dual photoelectric and ionization smoke sensing technologies. This alarm features two latching features and two silence features. Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition by blinking the green power light. Low Battery Silence: Temporarily silence the low battery chirp for up to eight hours. Alarm Silence: Silence alarm for several minutes. Other features include an 85dB horn, single button test/silence, an easy access battery drawer and dust cover. OptiPath 360 Technology: Exclusive patented technology provides 360 degrees of direct access to the smoke sensor. Two locking features are provided to prevent battery theft and/or theft of the unit. Designed for wall or ceiling mounting. Includes mounting anchors and screws. Installation is quick, easy and cost effective.



CAT. SA320B



TECHNICAL SPECS

Alarm Dimensions:	5.0" dia x 2.0"H
Weight:	8.6 oz
Operating Voltage:	Two 1.5V AA alkaline batteries
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
Smoke Sensors:	Photoelectric and Ionization
Indicator Lights/Sounds:	
DC Power:	Intermittent Green LED
Local Alarm:	Red LED flashes rapidly
Alarm Latch:	LED flashes red 2 sec on, 2 sec off after local alarm stops
Low Battery Latch:	LED flashes green 2 sec on, 2 sec off
Listing:	Listed to UL217 Standard

ARCHITECTURAL AND ENGINEERING SPEC

The smoke alarm shall be a BRK Model SA320 and shall provide at a minimum the following features and functions:

- Two smoke sensing chambers - photoelectric and ionization.
- Powered by two AA alkaline batteries and have a solid state piezo horn rated at 85dB at 10 ft. and shall be capable of self restoring.
- A visual power-on indicator to confirm unit is receiving power.
- Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Low battery latch: to visually identify which unit is in low battery condition. Two Silence Features: Alarm Silence to temporarily silence nuisance alarms. Low Battery Silence to silence low battery chirp for up to 8 hours.
- Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
- The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
- The unit shall contain mounting hardware and shall be listed for wall or ceiling mounting.
- 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.
- The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72 and the ICC.

SHIPPING SPECS:

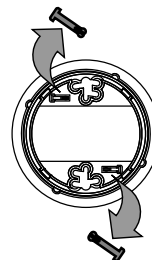
Individual Carton Dimensions	5.13"L x 2.38"W x 5.13"H
Weight	0.64 lbs.
Cube	0.04 ft3
UPC	0 29054 00733 9
Master Carton Dimensions	10.75"L x 7.88"W x 11.06"H
Master Pack	12
Weight	8.3 lbs.
Cube:	0.54 ft3
I2of5:	200 29054 00733 3

Pallet Information

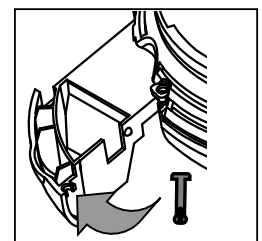
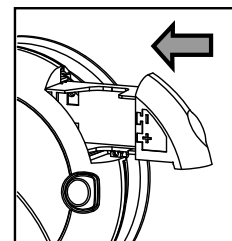
Cases per Layer	22
Number of Layers:	4
Cases per Pallet:	88
Units per pallet:	1,056
Cube:	54.0 ft3
Weight:	792 lbs.

BATTERY DRAWER LOCK

Remove Pin from Mounting Bracket



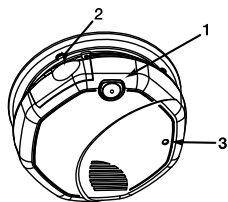
Close Door. Insert Pin in Holes through alarm and Battery Drawer



INSTALLATION OF ALARM

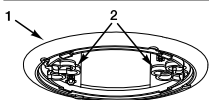
Installation of this alarm must conform to NFPA 72. Always check your local building codes. Follow all instructions for placement as outlined in the user's manual.

THE PARTS OF THIS SMOKE ALARM



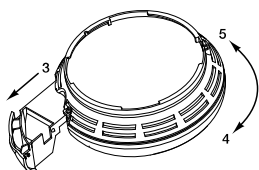
TOP OF ALARM

1. Test/Silence button
2. Slide-open battery drawer
3. Power/Alarm light



BOTTOM OF ALARM

1. Mounting bracket
2. Mounting Slots
3. Battery Drawer - Install 2 AA batteries here
4. Turn this way to remove from bracket
5. Turn this way to attach to bracket



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