

SM100V-AC

CAT. 1046721



**VOICE WARNING
WITH LOCATION**

**DIRECT WIRE-IN WITH
AA BATTERY BACKUP**

LATCHING ALARM INDICATOR



VOICE WARNING WITH LOCATION

Voice tells what the danger is and its location.

DIRECT WIRE-IN WITH AA BATTERY BACKUP

Hardwired with battery backup for protection during power outages.

LATCHING ALARM INDICATOR

Visually identifies unit that initiated alarm or low battery.

ADVANCED SMOKE PROTECTION

Advanced sensing technology for early warning and less nuisance alarms.

TEST/SILENCE BUTTON

Temporarily silence or test the alarm with one-touch, easy access button.

DUST COVER

Keeps alarm clean during construction.



ARCHITECTURAL AND ENGINEERING SPECS

The smoke alarm shall be a BRK Model SM100V-AC and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber.
2. The unit shall be capable of self restoring.
3. A fully screened sensing chamber to resist entry of small insects thereby reducing the probability of unwanted alarms.
4. Powered by 120V AC, 60Hz and have monitored 2 AA battery backup and a solid state piezo horn rated at 85dB at 10 ft.
5. A visual LED power-on indicator to confirm unit is receiving power or is in alarm.
6. 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.
7. Latching & silence features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Silence feature - Temporarily silence unwanted nuisance alarms.
8. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
9. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
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 meets the applicable requirements of UL217, CSFM, NFPA 72, NFPA 101, ICC.

INSTALLATION OF ALARM

Installation of this smoke alarm should be performed by a qualified electrician in accordance with the National Electrical Code NFPA 70, NFPA 72 and any other applicable codes or standards in a manner acceptable to the authority having jurisdiction. The interconnect wire should be a maximum of 1000 ft. and rated at least 300V.

TECHNICAL SPECS

Alarm Dimensions:	5.59" Dia. x 2.3" H
Weight:	0.59 lb
Operating Voltage:	120V AC 60Hz
Battery:	3V (2 AA)
Temperature Range:	40°F (4.4°C) to 100°F (37.8°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:	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:	Photoelectric
Indicator Lights/Sounds:	<p>AC Power: Constant Green</p> <p>DC Power: Flashes Green every minute</p> <p>Smoke Alarm: 3 Beeps, Flashes Red</p> <p>Latching Alarm: Flashes Red 2 sec. on / 2 sec. off after alarm</p> <p>Low Battery: 1 "Chirp" every Minute – Replace Battery</p> <p>Malfunction: 3 "Chirps" every Minute – Replace Alarm</p> <p>End of Life: 5 "Chirps" every Minute – Replace Alarm</p>
Listing:	Certified to UL217