BRK®
THE PROFESSIONAL STANDARD

HARDWIRE

Smoke Alarm
AC POWERED SMOKE ALARM
WITH BATTERY BACKUP

SMI100-AC
CAT. 1046836/1046838/1046844/1046845

DIRECT WIRE-IN WITH 9V BATTERY BACKUP

PERFECT MOUNT FOR EASY ALARM ALIGNMENT

LATCHING ALARM INDICATOR

DIRECT WIRE-IN WITH 9V BATTERY BACKUP
Hardwired with battery backup for protection during power outages.

PERFECT MOUNT FOR EASY INSTALLATION
Mounting bracket keeps the alarm secure over a wide rotation range for ideal alignment.

LATCHING ALARM INDICATOR
Visually identifies unit that initiated alarm or low battery.

INTERCONNECT
Interconnects with most First Alert and BRK alarms. When one alarm sounds, all compatible alarms sound (up to 12 smoke alarms and 6 other alarms).

TEST/SILENCE BUTTON
Temporarily silence or test the alarm with one-touch easy access button.

DUST COVER
Keeps alarm clean during construction.

PRECISION DETECTION™
Advanced Sensing Technology

LIMITED 10 YEAR WARRANTY

Conforms to UL STD 217
Helps reduce nuisance cooking alarms.

IONIZATION

ETL us
Intertek
3055574
MODEL SMI100-AC

ARCHITECTURAL AND ENGINEERING SPECS

The smoke alarm shall be a BRK Model SMI100-AC and shall provide at a minimum the following features and functions:

1. An ionization sensing chamber.
2. The unit shall be capable of self restoring.
3. Powered by 120V AC, 60Hz and have a monitored 9V battery backup and a solid state piezo horn rated at 85dB at 10 ft.
4. A visual LED power-on indicator to confirm unit is receiving power or is in alarm.
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.
11. 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:	5.58" Dia. x 1.99" H
Weight:	0.47 lb
Operating Voltage:	120V AC 60Hz
Battery:	9V Carbon Zinc
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:	Ionization
Indicator Lights/Sounds:	
AC Power:	Constant Green
DC Power:	Flashes Green every minute
Smoke Alarm:	3 Beeps, Flashes Red
Latching Alarm:	Flashes Red 2 sec. on / 2 sec. off after alarm
Low Battery:	1 "Chirp" every Minute – Replace Battery
Malfunction:	3 "Chirps" every Minute – Replace Alarm
End of Life:	5 "Chirps" every Minute – Replace Alarm
Listing:	Certified to UL217

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