

Smoke + Carbon Monoxide Alarm

AC POWERED SMOKE + CARBON MONOXIDE
ALARM WITH VOICE & LOCATION

SMC0100V-AC

CAT. 1046781



**VOICE WARNING
WITH LOCATION**

**ADVANCED SMOKE
& CO PROTECTION**

**EASY INSTALL & BATTERY
REPLACEMENT**



VOICE WARNING WITH LOCATION

Voice tells what the danger is and its location.

ADVANCED SMOKE & CO PROTECTION

Advanced sensing technology for early warning and less cooking nuisance alarms.

EASY INSTALL & BATTERY REPLACEMENT

Add protection in minutes. A battery pull tab is also included to keep the batteries fresh until the home is occupied.

INTERCONNECT

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

BATTERY BACKUP

For protection during power outages.

DUST COVER

Keeps alarm clean during construction.



ARCHITECTURAL AND ENGINEERING SPECS

The smoke alarm shall be a BRK Model SMC0100V-AC and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber and an electrochemical CO sensor both with a 10 year service life.
2. Powered by 120V AC, 60Hz and have a monitored battery backup and a solid state piezo horn rated at 85dB at 10 ft. and shall be capable of self restoring.
3. A Voice Warning of Smoke or Carbon Monoxide detected in addition to speaking several pre-programmed locations, e.g. "Warning, Evacuate, Smoke in Basement"
4. The unit shall have an "End of Life" signal (5 chirps). This signal should be capable of temporarily being silenced for up to 2 days. After about 2 days, the signal will resume. After about 2 weeks the signal cannot be silenced.
5. A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode. Separate LED 's to indicate a smoke or CO alarm.
6. The CO sensor is adjusted not to detect CO levels below 30 PPM and will not alarm when exposed to constant levels of 30 PPM for 30 days. It will alarm at the following levels: 400 PPM CO between 4 and 15 minutes, 150 PPM CO between 10 and 50 minutes and 70 PPM CO between 60 and 240 minutes.
7. 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.
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 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 and UL2034, CSFM, NFPA 72 and the 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:	0.61 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:	
AC Power:	Constant Green
DC Power:	Flashes Green every minute
Smoke Alarm:	3 Beeps, Flashes Red
CO Alarm:	4 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 & UL2034