

## Smoke Alarm with LED Strobe

AC POWERED SMOKE ALARM WITH STROBE LIGHT & 10-YEAR SEALED BATTERY BACKUP

# SM110LED-AC

CAT. 1046726



**LED 177  
CANDELA  
STROBE LIGHT**

**INTEGRATED SMOKE ALARM  
AND STROBE LIGHT**

**10-YEAR SEALED  
BATTERY BACKUP**



### LED 177 CANDELA STROBE LIGHT

Powerful LED strobe light provides effective visual warning to hearing impaired residents. When multiple BRK units are interconnected, strobes flash in unison.

### INTEGRATED SMOKE ALARM AND STROBE LIGHT

One device includes both a strobe light and smoke alarm.

### 10-YEAR SEALED BATTERY BACKUP

Sealed lithium battery backup for continuous protection during power outages.

### 1HZ FLASH RATE

60 flashes per minute rate meets ANSI 117.1, NFPA 72 and UL 1638 requirements for visual signal devices.



## ARCHITECTURAL AND ENGINEERING SPECS

The smoke alarm shall be a BRK Model SM110LED-AC and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber.
2. A 177 candela LED strobe light. The Smart Strobe shall have separate flash patterns to distinguish between smoke/heat and carbon monoxide dangers. When multiple units installed, strobe flash patterns will synchronize.
3. Powered by 120V AC, 60Hz and have a sealed 10 year lithium battery backup for alarm and a solid state piezo horn rated at 85dB at 10 ft and be capable of self-restoring.
4. A visual green LED power-on indicator to confirm unit is receiving power or is in alarm.
5. A full function test button should check all alarm functions by simulating a smoke condition, causing the unit to alarm.
6. 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.
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 have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
9. The unit meets the applicable requirements of UL217, UL1638, ANSI 117.1, CSFM, NFPA 72, NFPA 101 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:	5.28" Dia. x 2.31" H
Weight:	0.68 lb
Operating Voltage:	120V AC 60Hz
Battery:	3V Lithium
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
Latching Alarm:	Flashes Red 2 sec. on / 2 sec. off after alarm
Low Battery / End of Life:	5 "Chirps" every Minute – Replace Alarm
Malfunction:	3 "Chirps" every Minute – Replace Alarm
Listing:	Certified to UL217 & UL1638