

# SM310

CAT. 1046767



**DUAL SMOKE  
SENSOR  
TECHNOLOGY**

**10-YEAR SEALED BATTERY  
FOR CONTINUOUS PROTECTION**

**END OF LIFE SIGNAL**



### DUAL SMOKE SENSOR TECHNOLOGY

Optimal protection for both smoldering and fast flaming fires.

### 10-YEAR SEALED BATTERY FOR CONTINUOUS PROTECTION

No battery replacements required for the life of the alarm.

### END OF LIFE SIGNAL

Provides audible notice when alarm needs to be replaced.

### TEST/SILENCE BUTTON

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

### TAMPERPROOF ALARM

Powercell cannot be removed.



## ARCHITECTURAL AND ENGINEERING SPECS

The smoke alarm shall be a BRK Model SM310 and shall provide at a minimum the following features and functions:

- Two separate smoke sensing chambers - photoelectric and ionization.
- The unit shall be capable of self restoring.
- Powered by a sealed 10-year lithium powercell with a tamperproof design. The tamperproof design shall not allow the powercell to be removed. A low power warning indicator shall cause the alarm to “chirp” when it reaches the end of its service life and needs to be replaced. Upon end of life, the unit shall meet UL requirements for disabling the alarm and the non-reinstallation of unit to mounting bracket.
- A visual LED power-on indicator to confirm unit is receiving power or is in alarm.
- 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. The unit should also have a silence feature to silence unwanted nuisance alarms.
- A tamper resistant locking pin that locks alarm to the mounting bracket to prevent removal of alarm.
- 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 meets the applicable requirements of UL217, CSFM, HUD, NFPA 72, NFPA 101, ICC.

## INSTALLATION OF ALARM

Installation of this smoke alarm must conform to NFPA 72. Always check your local building codes. Follow all instructions for placement as outlined in the user’s manual in sections titled “Recommended Locations for Smoke Alarms” and “Locations to Avoid for Smoke Alarms.”

## TECHNICAL SPECS

Alarm Dimensions:	5.02" Dia. x 2.11" H
Weight:	0.47 lb
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
Smoke Sensor:	Photoelectric and Ionization
Indicator Lights/Sounds:	
DC Power:	Flashes Green every minute
Smoke Alarm:	3 Beeps, Flashes Red
Low Battery / End of Life:	5 “Chirps” every Minute – Replace Alarm
Malfunction:	3 “Chirps” every Minute – Replace Alarm
Listing:	Certified to UL217