

SM300-AC

CAT. 1046759



**DUAL SMOKE
SENSOR
TECHNOLOGY**

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

LATCHING ALARM INDICATOR



DUAL SMOKE SENSOR TECHNOLOGY

Optimal protection for both smoldering and fast flaming fires.

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.

SMART INTERCONNECT

Interconnects with most First Alert and BRK hardwired alarms. When one alarm sounds, all compatible* alarms sound.

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 SM300-AC and shall provide at a minimum the following features and functions:

- Two smoke sensing chambers - photoelectric and ionization.
- 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.
- A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode.
- 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.
- Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
- 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 have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
- 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.
- The unit meets the applicable requirements of UL217, 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:	5.02" Dia. x 2.11" 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 and 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