

SMOKE & CO COMBO ALARM PHOTOELECTRIC

BRK[®]

THE PROFESSIONAL STANDARD

CAT. **SC7010B**



OptiPath 360[™]
Technology

SPREAD SPECTRUM HORN TONE

Easier for elderly with normal age related hearing loss to hear horn.

TWO LATCHING FEATURES

Alarm Latch and Low Battery Latch

TWO SILENCE FEATURES

Silence low battery chirp for up to eight hours or silence nuisance alarm.

OPTIPATH 360 TECHNOLOGY

Patented technology provides 360° of direct access to smoke sensor.

120V AC/DC, 60Hz

Wire-in with 3V (two 1.5V AA) Battery Backup

Description:

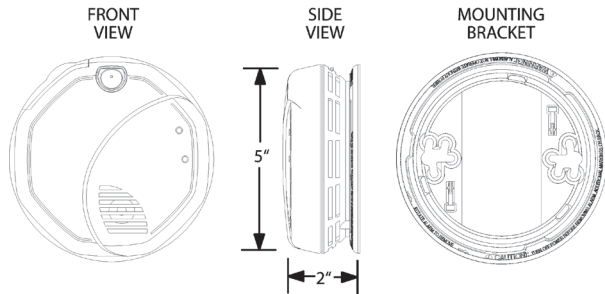
The BRK Cat. No. SC7010B is a wire-in, 120V AC 60Hz single and/or multiple station combination smoke and carbon monoxide alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. Model SC7010B complies with UL217 and UL2034, CSFM, NFPA 72 and NFPA 720, HUD, FHA and other agencies that model their codes after the above agencies. It meets building codes where AC/DC photoelectric smoke and carbon monoxide alarms are required.

The BRK SC7010B is a state-of-the-art hardwired with battery backup smoke/CO combo alarm that features a photoelectric smoke sensing chamber and electrochemical CO sensor. The Spread Spectrum Horn Tone has a lower and varying frequency that makes it easier for the elderly with normal age related hearing loss to hear the horn. This alarm features two latching features and two silence features. Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition by blinking the green power light. Low Battery Silence: Temporarily silence the low battery chirp for up to eight hours. Alarm Silence: Silence alarm for several minutes. Other features include an 85dB horn, single button test/silence, an easy access battery drawer. OptiPath 360 Technology: Exclusive patented technology provides 360° of direct access to the smoke sensor. The alarm is interconnectable with up to 18 devices, of which 12 can be smoke alarms. The unit mounts to any standard electrical box up to 4" size. Keyhole slots in the mounting bracket eliminate the need to remove the electrical box screws for installation. Includes Perfect Mount, a mounting bracket that keeps the alarm secure over a wide rotation range to allow for perfect alignment. Dust cover is included to keep the alarm clean during construction. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side battery compartment. Two locking features are provided to prevent battery theft and/or theft of the unit. Connection to AC power is made with a "Quick-Connect" wiring harness. Installation is quick, easy and cost effective.



See user's manual

CAT. SC7010B

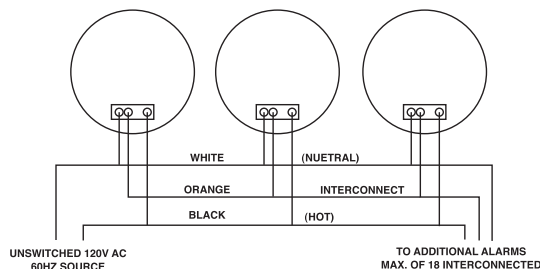


ARCHITECTURAL AND ENGINEERING SPEC

1. A photoelectric sensing chamber and electrochemical CO sensor.
2. The unit shall have a lower and varying horn frequency to make it easier for the elderly with normal age related hearing loss to better hear the horn and be rated 85db at 10 ft.
3. The unit shall be capable of self restoring.
4. A fully screened smoke sensing chamber to prevent entry of small insects thereby reducing the probability of unwanted alarms.
5. Powered by 120V AC, 60Hz and have a monitored battery backup (two 1.5V Alkaline AA batteries).
6. Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided by displaying a blinking red light by corresponding alarm indicators. Low battery latch to visually identify which unit is in low battery condition by displaying a blinking green light by the Power indicator.
7. Two Silence Features: Alarm Silence to temporarily silence nuisance alarms. Low Battery Silence to silence low battery chirp for up to 8 hours
8. Optipath 360 technology that provides 360 (degree symbol) of direct access to the smoke sensor
9. A visual LED (green) power-on indicator to confirm unit is receiving power. A visual LED (red) power-on indicator to confirm unit has switched to battery backup.
10. A single button test/silence feature. Test button should check all alarm functions by simulating a smoke or CO condition, causing the unit to alarm.
11. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
12. The unit shall mount to any standard electrical box up to 4" size without screw removal and shall be listed for wall or ceiling mounting.
13. The unit shall have a locking mechanism to deter battery removal and/or theft of the unit.
14. Feature a quick-connect wiring harness and be capable of interconnecting up to 18 devices, 12 of which can be smoke alarms.
15. The unit shall at a minimum meet the requirements of UL217, UL 2034, CSFM, NFPA 72, NFPA 720, NFPA 101, ICC.

INSTALLATION OF ALARM

Installation of this smoke and carbon monoxide alarm must conform to all local electrical codes and Article 760 of the National Electrical Code (NFPA 70) and NFPA 72. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker. If local codes do not permit, be sure the neutral wire is common to both phases. Only those BRK® user's manual catalog numbers listed in the user's manual may be connected to these smoke alarms.



TECHNICAL SPECS:

Alarm Dimensions:	5.0" dia x 2"H
Weight:	9.3 oz.
Operating Voltage:	120V AC, 60Hz with two 1.5V Alkaline AA battery backup.
Operating Current:	.05 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 95% relative humidity (RH)
Audio Alarm:	85dB at 10 feet
Test/Silence:	Electronically simulates smoke and carbon monoxide conditions, causing the unit to alarm and temporarily quiets the alarm.
Alarm Reset:	Automatic when smoke and/or carbon monoxide clears
Interconnections:	Up to 18 units with smoke, heat, CO alarms and relays. Maximum of 12 smoke alarms (see user's manual).
Smoke Sensor:	Photoelectric
CO Sensor:	Electrochemical
Indicator Lights:	
AC Power:	Constant Green Light
DC Power:	Intermittent Green Light
Local Alarm:	Audio alarm, rapidly flashing red light by corresponding indicator light.
Remote Alarm:	Audio alarm, red light not flashing
Latching Alarm Indicator:	Audio off and corresponding red lights flashing 2 seconds on, 2 seconds off after local alarm unless reset by test/silence button
Low Battery Latch:	"Power" LED flashes green on for 2 seconds, off for 2 seconds.

SHIPPING SPECS:

Individual Carton Dimensions:	5.13"L x 2.38"W x 5.13"H
Weight:	.74 lbs.
Cube:	.04 ft ³
UPC:	0 29054 02280 6
Master Carton Dimensions:	10.75"L x 7.88"W x 11.06"H
Master Pack:	12
Weight:	9.4 lbs.
Cube:	.54 ft ³
I2of5:	100 29054 02280 3
Pallet Information:	
Cases per Layer:	22
Number of Layers:	4
Cases per Pallet:	88
Cube:	54.04 ft ³
Weight:	892.2 lbs.

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