

# BRK<sup>®</sup>

THE PROFESSIONAL STANDARD



Carbon Monoxide Alarm



Hardwired Unit



Battery Back up



OptiPath 360 Technology



## SC7010BA PHOTOELECTRIC SMOKE & CO COMBINATION ALARM

120V AC/DC 60 HZ  
WIRE- IN WITH 3V (TWO 1.5V AA)  
BATTERY BACKUP

### FEATURES

#### ELECTROCHEMICAL CO SENSOR

Most accurate technology available for detecting carbon monoxide as compared to other sensing technologies.

#### PHOTOELECTRIC

Photoelectric smoke sensing technology greatly reduces "nuisance" alarms commonly associated with ionization technology. Perfect for use in nuisance prone areas such as near sources of heat or steam (kitchens and showers), and high/ vaulted ceilings.



### DID YOU KNOW?

Photoelectric alarms are considered "environmentally friendly". They contain no radioactive material as do ionization smoke alarms, and many electronic components are fully recyclable.

We all have the power to make a difference and make a better world!

From packaging to the product components, BRK and First Alert fire safety products are designed with the environment in mind...



Photoelectric Sensing Alarms



Recyclable  
PET packaging



# PHOTOELECTRIC SMOKE & CO COMBINATION ALARM

CAT. **SC7010BA**



Carbon  
Monoxide  
Alarm



Hardwired  
Unit



Battery  
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Technology

## ELECTROCHEMICAL CO SENSOR

Most accurate technology available for detecting carbon monoxide as compared to other sensing technologies.

## PHOTOELECTRIC

Photoelectric smoke sensing technology greatly reduces "nuisance prone" areas such as near sources of heat or steam (kitchens and showers), and in high / vaulted ceilings.

## END OF LIFE SIGNAL

Provides audible notice when alarm needs to be replaced.

## SPREAD SPECTRUM HORN TONE

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

## OPTIPATH 360 TECHNOLOGY™

Provides 360 degrees of direct access to the smoke sensing chamber.



PHOTOELECTRIC



NOTE: Photoelectric technology is generally more sensitive at detecting large particles, which tend to be produced in greater amounts by smoldering fires.

NOTE: Ionization technology is generally more sensitive at detecting small fast moving particles, which tend to be produced by "fast flaming" fires.

# BRK®

**THE PROFESSIONAL STANDARD**

120V AC/DC 60 Hz

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

The BRK SC7010BA is a state-of-the-art hardwired with battery backup smoke/CO combo alarm that features a photoelectric smoke sensing chamber, an electrochemical CO sensor and an End of Life signal. 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 while "nuisance" conditions clear. Other features include an 85dB horn, single button test/silence, an easy access battery drawer and dust cover. OptiPath 360 Technology: Exclusive patented technology provides 360 degrees of direct access to the smoke sensor. 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.



Individual Carton							Master Carton Dimensions			
UPC	H"	W"	D"	Weight	Cube	12of5	Master Pack	Cases per Layer	Numbers of Layers	Cases per Pallet
029054007544	5.130 in	2.380 in	5.130 in	0.740 lbs	0.54 ft <sup>3</sup>	70029054007543	12	22	4	88

# CAT. SC7010BA



## ARCHITECTURAL AND ENGINEERING SPEC

The combination smoke and carbon monoxide alarm shall be a BRK Model SC7010BA and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber and an electrochemical CO sensor.
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. The horn 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.
3. The unit shall have an "End of Life" signal. This signal should be capable of temporarily being silenced for up to 2 days. After approximately 2 days, the signal will resume. After approximately 2-3 weeks the signal cannot be silenced.
4. 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.
5. 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.
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. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
8. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
9. 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.
10. The unit shall at a minimum meet the requirements of CAN ULC 5531-02 and CSA 6.19-01, and be approved by an accredited testing agency (cETL).

## TECHNICAL SPECS :

Alarm Dimensions:	5.0" dia x 2.0"H
Weight:	9.3 oz
Operating Voltage:	120V AC 60Hz, two 1.5V 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:	Press and hold test/silence button
Alarm Reset:	Automatic when smoke and/or CO 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 for details.
Smoke Sensor:	Photoelectric
CO Sensor:	Electrochemical
Indicator Lights/Sounds:	
AC Power:	Constant Green LED
DC Power:	Intermittent Green LED
Local Alarm:	Red LED flashes
Remote Alarm:	Red LED off Red LED flashes every 5 seconds after local alarm stops
Latching Alarm Indicator:	Audio off and corresponding red LED flashes every 2 seconds on 2 seconds off after local alarm unless rest by test/silence button
Low Battery Latch:	"Green/Power" LED flashes green on for 2
End of life:	seconds/off for 2 seconds.
Listing:	ULCS531-02

## SHIPPING SPECS :

Individual Carton Dimensions:	5.13"L x 2.38"W x 5.13"Ht
Weight:	0.74 lbs.
Cube:	0.04 ft <sup>3</sup>
UPC:	029054007544
Master Carton Dimensions:	10.75"L x 7.88"W x 11.06"H
Master Pack:	12
Weight:	9.4 lbs.
Cube:	0.54 ft <sup>3</sup>
12of5:	70029054007543
Pallet Information:	
Cases per layer:	22
Number of Layers:	4
Cases per Pallet:	88
Cube:	54.0 ft <sup>3</sup>
Weight:	892 lbs.

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