# SMOKE & CO COMBO ALARM

## CAT. SCO2B/SCO2LB

**CO**

*Intelligent Sensing Technology™*

## 10YR CO SENSOR
## 10YR ALARM LIFE

### SMOKE & CO COMBO
Electrochemical CO sensor; Ionization smoke sensor.

### SILENCE FEATURE
Silences nuisance alarms.

### END OF LIFE SIGNAL
Provides audible notice when alarm needs to be replaced after 10 years.

### LATCHING ALARM INDICATOR
Remembers which unit initiated an alarm.

*Available in the following versions:*

| | |
|---|---|
| SCO2B | Alkaline Battery |
| SCO2LB | Long Life Lithium battery |

**LIMITED 10 YEAR WARRANTY**

**i IONIZATION**

**Listed to UL 217 & UL 2034 Standards**

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# BRK®
## THE PROFESSIONAL STANDARD
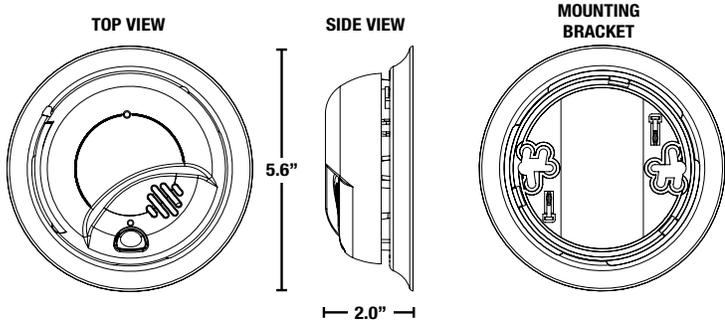
## 9V Battery Powered

**Description:**

The BRK Brands, Inc. model No SCO2 is a battery powered single 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 SCO2 complies with UL217, UL2034, CSFM, NFPA 72, NFPA 720, HUD, FHA and other agencies that model their codes after the above agencies. They meet building codes where battery powered smoke and carbon monoxide alarms are required either separately or in combination.

The BRK cat. number SCO2B/SCO2LB features a dual ionization smoke sensing chamber and an electrochemical carbon monoxide sensor, 9V battery powered, an 85dB horn, an End of Life and a silence feature. The SCO2B features a 9V alkaline battery and the SCO2LB a 9V long life lithium battery. "Intelligent Sensing Technology" is designed to reduce nuisance alarms. "Latching Alarm Indicator" remembers which unit initiated an alarm. The unit that triggered the alarm will store in memory or "latch" the information and begin to flash the LED indicator 2 seconds on, 2 seconds off. The "Perfect Mount" system features a gasketless base and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for true alignment. A single button test/silence button eliminates confusion. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment. Other Contractor Preferred features include a dust cover to keep alarm clean during construction. Two locking features are provided to prevent battery theft and/or theft of the unit. Designed for wall or ceiling mounting. Includes mounting anchors and screws.



First Alert
SMOKE AND CARBON MONOXIDE ALARM
SMOKE
POWER TEST WEEKLY
TEST SILENCE

TOP VIEW | SIDE VIEW | MOUNTING BRACKET

5.6"

2.0"

## TECHNICAL SPECS

| | |
|---|---|
| Alarm Dimensions: | 5.6"dia. x 2.0"H |
| Weight: | 7.6 oz |
| Operating Voltage: | 9V battery powered (alkaline or lithium) |
| 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 or CO condition, causing the unit to alarm. Press and hold test/silence button. |
| Alarm Reset: | Automatic when smoke or CO clears |
| Smoke Sensor: CO Sensor: | Dual Ionization Electrochemical |
| Indicator Lights/Sounds: | |
| DC Power: | Intermittent Green LED |
| Local Alarm: | Red LED flashes rapidly |
| Latching Alarm: | Red LED flashes 2 sec. on/2 sec. off after local alarm |
| Low Battery Latch: | Green LED flashes on for 2 seconds, off for 2 seconds. Note: Latching features are active for 15 minutes only. |
| Listing: | Listed to UL217 and UL2034 Standards |

## ARCHITECTURAL AND ENGINEERING SPEC

The combination smoke and CO alarm shall be a BRK Model SCO2 and shall provide at a minimum the following features and functions:
1. An ionization smoke sensing chamber and an electrochemical CO sensor both with a 10 year service life.
2. Powered by a supervised 9V battery (SCO2B uses alkaline, SCO2LB lithium) and features a solid state piezo horn rated at 85dB at 10 ft. and the unit shall be capable of self restoring.
3. The unit shall perform self diagnostic tests and issue a malfunction warning (three chirps) if the unit malfunctions.
4. The unit shall have an "End of Life" signal (5 chirps). This signal should be capable of temporarily being silenced for up to 2 days. After about 2 days, the signal will resume. After about 2-3 weeks the signal cannot be silenced.
5. A visual power-on indicator to confirm unit is receiving power. Separate LED 's to indicate a smoke or CO alarm.
6. 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.
7. 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.
8. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
9. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
10. The unit shall contain mounting hardware and shall be listed for wall or ceiling mounting.
11. The unit shall at a minimum meet the requirements of UL217 and UL2034, CSFM, NFPA 72 and 720 and the ICC.

## SHIPPING SPECS

| | |
|---|---|
| Individual Carton Dimensions | 5.69"L x 2.25"W x 5.59"H |
| Weight | 0.59 lbs. |
| Cube | 0.04 ft3 |
| UPC | 0 29054 00089 7: SCO2B 0 29054 00736 0: SCO2LB |
| Master Carton Dimensions | 14.43"L x 6.19"W x 12.63"H |
| Master Pack | 12 |
| Weight | 7.6 lbs. |
| Cube: | 0.65 ft3 |
| I2of5: | 200 29054 00089 1: SCO2B 800 29054 00736 6: SCO2LB |
| Pallet Information | |
| Cases per Layer | 19 |
| Number of Layers: | 3 |
| Cases per Pallet: | 57 |
| Units per Pallet: | 684 |
| Cube: | 42.2 ft3 |
| Weight: | 498 lbs. |

## 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.
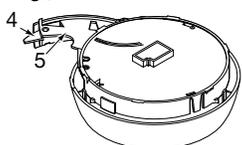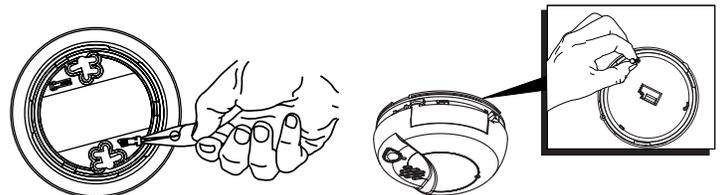
### THE PARTS OF THIS SMOKE ALARM
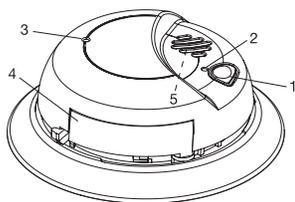


**TOP OF ALARM**
1. Test/Silence Button
2. Power Light (Green)/Smoke Alarm light (Red)
3. CO Alarm Light (Red)
4. Battery Drawer
5. Behind Cover: Alarm 85 dB horn
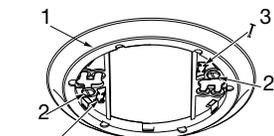


**BOTTOM OF ALARM**
1. Mounting bracket
2. Mounting slots
3. Locking Pins
4. Battery Drawer Latch
5. Battery Drawer - Install
6. 9V battery here

## BATTERY DRAWER LOCK

Remove Pin from Mounting Bracket | Close Door. Insert Pin in Holes through alarm and Battery Drawer





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