COMBINATION ALARM & LED STROBE

PHOTOELECTRIC

Model **7030BSLA**
CAT. **1038871**

CO | | 10 YEAR

AC POWERED WITH 10 YEAR SEALED BATTERY BACKUP

INTEGRATED COMBINATION ALARM & STROBE LIGHT
Requires only one electrical box for 3 vital functions. Saves installation time and costs. One device includes strobe light and combination smoke/CO alarm.

SMART STROBE
Separate flash patterns to distinguish between smoke and carbon monoxide.

177 CANDELA SYNCHRONIZED LED STROBE
Powerful 177 candela LED strobe light provides effective visual warning intended to waken hearing impaired residents. When multiple units installed, strobe is sync capable.

1Hz FLASH RATE
60 flashes per minute rate.

10 YEAR SEALED BATTERY
Lithium long life battery to supply power to the alarm in the event of power failure for the 10 year life of the alarm. Sealed in the alarm housing to prevent tampering or removal.

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

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

LIMITED **10** YEAR WARRANTY

P PHOTOELECTRIC

c ETL LISTED us
Intertek
3055574
Model 7030BSLA

BRK®

THE PROFESSIONAL STANDARD

120V AC, 60Hz Wire-in with 10 Year Sealed Lithium Battery Backup
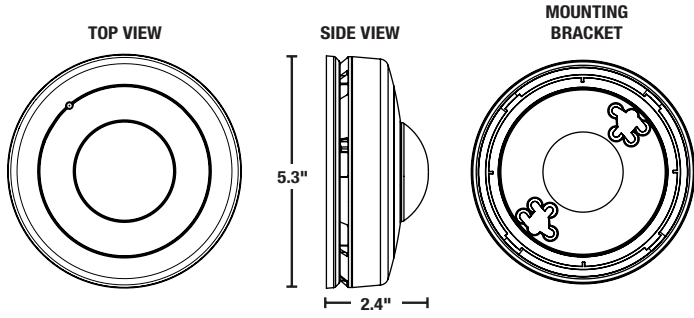
Description:

BRK Model 7030BSLA (Cat. 1038871) is a wire-in, 120V AC 60Hz single and/or multiple station photoelectric smoke and carbon monoxide combination alarm with integrated 177 candela LED strobe light specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, public housing, dormitories and other multifamily dwellings. Model 7030BSLA is certified to CAN/CSA STD 6.19-01 & ULC STD S531 & ULC STD S526. The alarms are inter-connectable with up to 18 devices, of which 12 can be smoke alarms. The BRK 7030BSLA alarm features a photoelectric smoke sensing chamber, an electrochemical CO sensor, an integrated 177 LED candela strobe light, an 85dB horn and sealed lithium battery capable of providing backup power for smoke and CO alarm functions over 10 year alarm life without replacement. The strobe light is designed to provide deaf & hard of hearing individuals with a visual warning of smoke or carbon monoxide dangers. The Smart Strobe has separate flash patterns for smoke/heat and carbon monoxide dangers. This helps a hearing impaired person better distinguish the danger present. The 177 candela LED strobe flashes at a rate of an average of 60 times a minute. The LED flash is also sync capable so when multiple LED units are installed, strobes can flash in unison.

This alarm features two latching features and two silence features. The Alarm Latch easily identifies the initiating alarm with blinking RED led pattern - even after the alarm condition has subsided. Ideal when multiple alarms are installed throughout a residence or institution. The End of Life / Low Battery Latch visually identifies which unit it in a low battery or end of life condition. The convenient silence features will temporarily silence an unwanted alarm for several minutes or eliminate low battery / end of life chirps for up to eight hours. Other Contractor preferred features include a dust cover, easy twist-lock mounting bracket with backup battery activation, and "Quick Connect" wiring harness.

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TOP VIEW | **SIDE VIEW** | **MOUNTING BRACKET**

5.3"
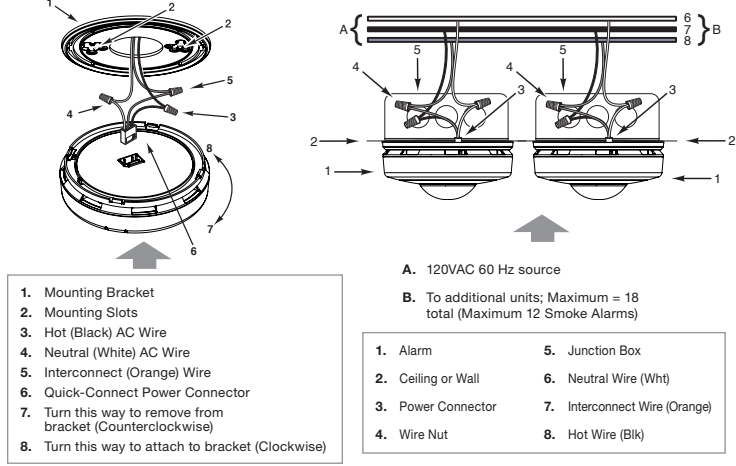
2.4"

ARCHITECTURAL AND ENGINEERING SPEC

The integrated strobe light & combination smoke & carbon monoxide shall be a BRK Model 7030BSLA (Cat. 1038871) and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber and electrochemical carbon monoxide sensor.

2. A 177 candela LED strobe light. The Smart Strobe shall have separate flash patterns to distinguish between smoke/heat and carbon monoxide dangers. When multiple units installed, strobe flash patterns will synchronize.

3. Fully screened sensing chamber to resist entry of small insects thereby reducing the probability of unwanted alarms.

4. Powered by 120V AC, 60Hz and have a sealed 10 year lithium battery backup for alarm and a solid state piezo horn rated at 85dB at 10 ft and be capable of self-restoring.

5. A visual green LED power-on indicator to confirm unit is receiving power or is in alarm.

6. 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.

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 or end of life condition. Two Silence Features: Alarm Silence to temporarily silence nuisance alarms. End of Life: Silence alarm for 8 hours.

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 units with smoke, heat, CO alarms and relays, of which 12 can be smoke alarms.

The unit shall at a minimum meet the requirements of CAN/CSA STD 6.19-01 & ULC STD S531 & ULC STD S526.

10. The unit shall have an "End of Life" signal.

INSTALLATION OF ALARM

Installation of this smoke 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.

THE PARTS OF THIS ALARM

1. Mounting Bracket
2. Mounting Slots
3. Hot (Black) AC Wire
4. Neutral (White) AC Wire
5. Interconnect (Orange) Wire
6. Quick-Connect Power Connector
7. Turn this way to remove from bracket (Counterclockwise)
8. Turn this way to attach to bracket (Clockwise)

A. 120VAC 60 Hz source

B. To additional units; Maximum = 18 total (Maximum 12 Smoke Alarms)

1. Alarm	5. Junction Box
2. Ceiling or Wall	6. Neutral Wire (Wht)
3. Power Connector	7. Interconnect Wire (Orange)
4. Wire Nut	8. Hot Wire (Blk)

TECHNICAL SPECS

Alarm Dimensions:	5.2" Dia. x 2.3" H
Weight:	10.6 oz
Operating Voltage:	120V AC 60Hz with 3V Sealed Lithium Battery Backup for alarm.
Operating Current:	Alarm 0.8 A
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 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 number of 12 smoke alarms.
Smoke Sensor:	Photoelectric
CO Sensor:	Electrochemical
Strobe Light:	177 candela LED strobe
Indicator Lights/Sounds:	
AC Power:	Constant Green LED
DC Power:	Green LED flash, once per minute
Alarm Condition:	Red LED flashes with audible alarm (horn) pattern and strobe (flash) pattern
Horn Pattern:	Smoke - Approx. 1 beep per second for 3 beeps, then 1 second off. CO - 4 rapid beeps, then 5 seconds off.
Strobe Pattern:	Smoke - Constant, approx. 1 flash per second. CO - Approx. 1 flash per second for 4 flashes, then 3 seconds off.
Silence:	Approx. 9 minutes Smoke initiating alarm, approx. 4.5 minutes CO initiating alarm, 8 hours End of Life
Alarm Latch:	Smoke - Horn off and Red LED flashing 2 seconds on, 2 seconds off. CO - Same as smoke but with 4 short red LED pulses after 2 seconds on.
Latching End of Life / Low Battery Indicator:	Green LED flashing 2 seconds on, 2 seconds off
End of Life Signal / Low Battery Signal:	5 short chirps with 5 Green LED flashes once per minute
Listing:	Certified to CAN/CSA STD 6.19-01 & ULC STD S531 & ULC STD S526

SHIPPING SPECS

Individual Carton Dimensions	5.3" L x 3.0" W x 5.3" H
Weight:	0.9 lbs.
Cube:	0.1 ft³
UPC:	0 29054 01814 4
Master Carton Dimensions	19.2" L x 5.8" W x 6.0" H
Master Pack:	6
Weight:	5.6 lbs.
Cube:	0.4 ft³
I2of5:	600 29054 01814 6
Pallet Information	
Cases per Layer:	17
Number of Layers:	8
Cases per Pallet:	136
Units per Pallet:	816
Cube:	59.3 ft³
Weight:	806 lbs.

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THE PROFESSIONAL STANDARD

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