SMOKE ALARM & LED STROBE
PHOTOELECTRIC

MODEL 7020BSL
at 1038335

AC POWERED WITH 10 YEAR SEALED BATTERY BACKUP

INTEGRATED SMOKE ALARM & STROBE LIGHT
Requires only one junction box. Saves installation time and costs. One device includes both a strobe light and photoelectric smoke 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 to hearing impaired residents. When multiple units installed, strobe flashes in unison.

1Hz FLASH RATE
60 flashes per minute rate meets ADA, ANSI 117.1, NFPA 72 and UL1971 requirements for visual signal devices.

10 YEAR SEALED BATTERY
Lithium Metal 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.

Description:
The BRK Brands, Inc. Model Number 7020BSL (CAT 1038335) is a wire-in, 120V AC 60Hz single and/or multiple station photoelectric smoke 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 as defined in standard NFPA 101. Model 7020BSL complies with UL217, UL1971, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. They meet building codes where AC with battery backup, silence, photoelectric smoke alarms are required.

The alarms are inter-connectable with up to 18 devices, of which 12 can be smoke alarms. The BRK 7020BSL alarms feature a photoelectric smoke sensing chamber, an integrated 177 LED candela strobe light, an 85dB horn and sealed 3V lithium battery capable of providing backup power for alarm over 10 year alarm life. The Strobe Light is designed to provide deaf & hard of hearing individuals with a visual warning of a fire. The Smart Strobe has separate flash patterns for smoke/ heat and carbon monoxide dangers (when connected to a First Alert CO alarm). This helps a hearing impaired person better distinguish the danger present. The 177 candela LED strobe meets UL 1971 requirements and flashes at a rate of an average of 60 times a minute. The LED flash is also synchronized so when multiple units installed, strobes flash in unison.

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. Optipath 360 technology provides 360 degrees of direct access to the smoke sensing chamber.

Other Contractor preferred features include a dust cover, easy twist-lock mounting bracket and a “Quick-Connect” wiring harness.
The integrated strobe light & smoke alarm shall be a BRK Model 7020BSL and shall provide at a minimum the following features and functions:
1. A photoelectric smoke sensing chamber.
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 should check all alarm functions by simulating 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 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. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95% RH.
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 UL217, UL1971, ADA, ANSI 117.1, CSFM, NFPA 72, NFPA 101 and the ICC.

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.