

SMOKE ALARM

PHOTOELECTRIC

CAT. **7020B**



OptiPath 360™
Technology

ESCAPE LIGHT

Bright light illuminates exit path during an alarm.

PHOTOELECTRIC

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

OPTIPATH 360 TECHNOLOGY™

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

SINGLE BUTTON TEST/SILENCE

Silences and tests alarm with a single button.

TWO LOCKING FEATURES

Pins are provided to lock battery drawer and/or alarm to base. Perfect for apartment, dormitory or hotel applications.



BRK®

THE PROFESSIONAL STANDARD

**120V AC, 60Hz Wire-in
with 9V Battery Backup**

Description:

The BRK Brands, Inc. Model Number 7020B is a wire-in, 120V AC 60Hz single and/or multiple station photoelectric smoke 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 7020B complies with UL217, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. It meets building codes where AC/DC with silence photoelectric smoke alarms with escape light are required. The alarms are interconnectable with up to 18 devices, of which 12 can be smoke alarms.

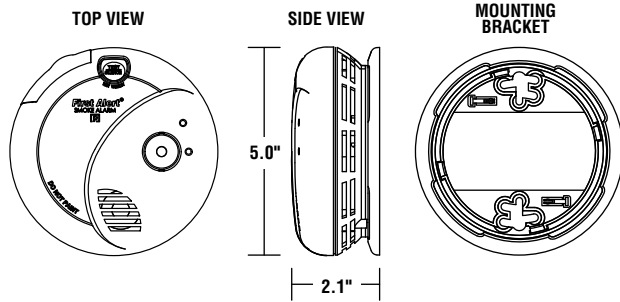
The BRK 7020B features a photoelectric smoke sensing chamber, a bright escape light, an 85dB horn, a 9V battery back-up and a "silence" feature. Optipath 360 technology provides 360 degrees of direct access to the smoke sensing chamber. The "Perfect Mount" system features a gasketless base and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for true alignment. This will allow fine-tuning on the positioning to compensate for out of aligned wall studs and to keep the wording level when wall mounting. 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, keyhole slots in the mounting bracket eliminate the need to remove the electrical box screws for installation. 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.



CAT. 7020B



OptiPath 360™ Technology



ARCHITECTURAL AND ENGINEERING SPEC

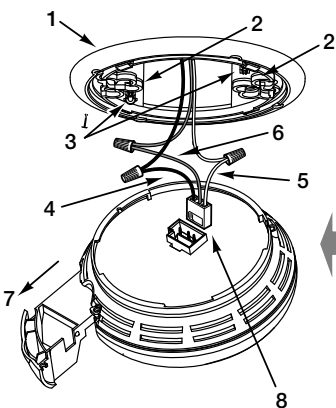
The smoke alarm shall be a BRK Model 7020B and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber.
2. The unit shall have a bright escape light that illuminates escape path when alarm is initiated and shall be capable of self restoring.
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 monitored 9V battery backup and a solid state piezo horn rated at 85dB at 10 ft.
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. Silence feature - Temporarily silence unwanted nuisance alarms.
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 90%.
10. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
11. 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.
12. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72, NFPA 101, ICC

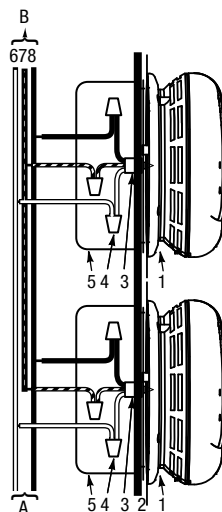
INSTALLATION OF ALARM

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 SMOKE ALARM



1. Mounting bracket
2. Mounting Slots
3. Locking Pins
4. Hot (Black) AC Wire
5. Neutral (White) AC Wire
6. Interconnect (Orange) Wire
7. Pull-out Battery Drawer
8. Quick-Connect Plug



A. Unswitched 120VAC 60 Hz source
 B. To additional units; Maximum = 18 total (Maximum 12 Smoke Alarms)

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

TECHNICAL SPECS

Alarm Dimensions:	5.0" dia x 2.1"H
Weight:	8.4 oz
Operating Voltage:	120V AC 60Hz w/ 9V battery backup
Operating Current:	.045 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 90% 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 of 12 smoke alarms. See user's manual for details.
Smoke Sensor:	Photoelectric
Indicator Lights/Sounds:	AC Power: Constant Green LED DC Power: Intermittent Red LED Local Alarm: Red LED flashes rapidly Remote Alarm: Red LED out.
Listing:	Listed to UL217 Standard

SHIPPING SPECS:

Individual Carton Dimensions	5.13"L x 2.38"W x 5.13"H
Weight	0.45 lbs. (7010); 0.55 lbs. (7010B)
Cube	0.04 ft3
UPC	0 29054 00198 6
Master Carton Dimensions	10.75"L x 7.88"W x 11.06"H
Master Pack	12
Weight	7.1 lbs.
Cube:	0.54 ft3
I2of5:	100 29054 00198 3

Pallet Information	
Cases per Layer	22
Number of Layers:	4
Cases per Pallet:	88
Units per Pallet:	1,056
Cube:	54.0 ft3
Weight:	678 lbs.



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