

# STROBE LIGHT

HEARING IMPAIRED

CAT. **SL177**



## SMART STROBE

Separate flash patterns to distinguish between smoke and carbon monoxide.

## 177 CANDELA XENON STROBE

Powerful 177 candela xenon strobe light provides effective visual warning to hearing impaired residents.

## 1 Hz FLASH RATE

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

# BRK<sup>®</sup>

**THE PROFESSIONAL STANDARD**

## 120V AC, 60Hz Wire-in

### Description:

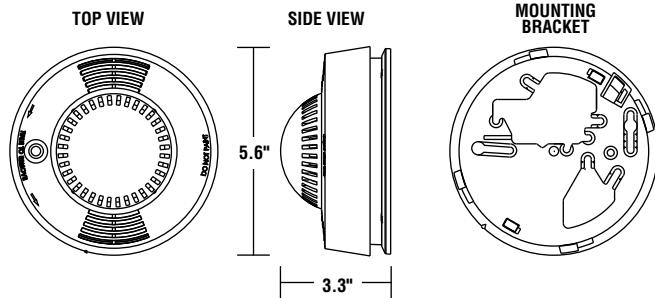
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BRK Model SL177 is an ADA hearing impaired strobe light specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories, and other multifamily dwellings as defined in standard NFPA 101. Model SL177 has been fully tested and complies with Americans with Disabilities Act (ADA), Underwriters Laboratories, Inc. Signaling Devices for the Hearing Impaired UL1971, ANSI 117.1, CSFM, NFPA 72, and NFPA 101 and with model building codes published by the ICC.

BRK Model SL177 is a state of the art Strobe Light designed to provide hearing impaired individuals with a visual warning of a fire or a carbon monoxide danger when used with smoke, heat or carbon monoxide alarms. The Smart Strobe has separate flash patterns to distinguish between smoke/heat and carbon monoxide dangers. These different patterns are to help a hearing impaired person better distinguish the danger present. The 177 candela Xenon strobe meets UL 1971 requirements and flashes at a rate of an average of 60 times a minute. The SL177 operates on 120V AC and features a green LED that signals the unit is receiving power. Interconnectable with up to 18 devices, of which 12 can be smoke alarms. Model SL177 was designed with quick and easy installation in mind. Designed to cover most drywall cut-outs, the specially designed mounting bracket mounts on any electrical box up to 4" octagonal and does not require screw removal. Connection to AC power is made with a "Quick-Connect" wiring harness.



# CAT. SL177



## ARCHITECTURAL AND ENGINEERING SPEC

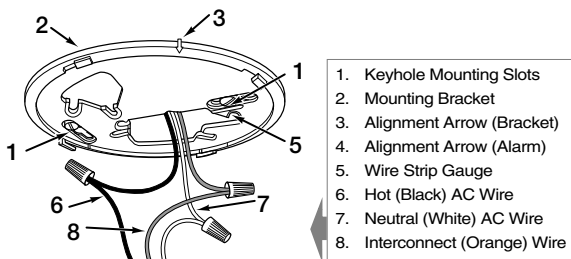
The strobe light shall be a BRK Model SL177 and shall provide at a minimum the following features and functions:

1. A 177 candela Xenon strobe.
2. The strobe light shall be powered by 120V AC.
3. The Smart Strobe shall have separate flash patterns to distinguish between smoke/heat and carbon monoxide dangers.
4. A visual LED (green) power-on indicator to confirm the unit is receiving AC power.
5. The unit shall be capable of operating between 40°F and 100°F (4-38°C) and relative humidity of 10% and 90%.
6. The unit shall mount to any standard electrical box up to 4" octagonal without screw removal and shall be listed for ceiling or wall mounting.
7. The unit shall have a plug-in connector and be capable of interconnection up to 18 multiple station alarms per NFPA 72.
8. The unit shall at a minimum meet the requirements of UL1971, ADA, ANSI 117.1, CSFM, NFPA 72, NFPA 101 and the ICC.

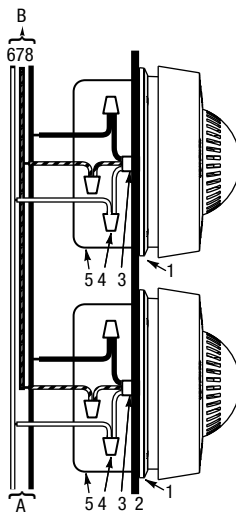
## INSTALLATION OF ALARM

Installation of this strobe light 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 STROBE LIGHT



1. Keyhole Mounting Slots
2. Mounting Bracket
3. Alignment Arrow (Bracket)
4. Alignment Arrow (Alarm)
5. Wire Strip Gauge
6. Hot (Black) AC Wire
7. Neutral (White) AC Wire
8. Interconnect (Orange) Wire



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

1. Strobe Light
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)

## UL1971 Signaling Devices Light Dispersion Chart

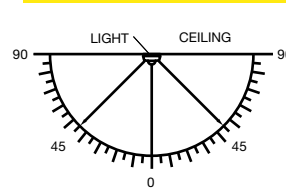


FIGURE 1: Light Output for Ceiling Mount

Angle (In Degrees)	Percent Light Intensity
0	100
5-25	90
30-45	75
50	55
55	45
60	40
65	35
70	35
75	30
80	30
85	25
90	25

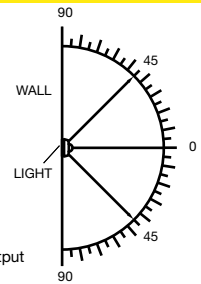


FIGURE 2: Light Output for Wall Mount

## TECHNICAL SPECS

Alarm Dimensions:	5.6" dia x 3.3"H
Weight:	9.9 oz
Operating Voltage:	120V AC 60Hz
Operating Current:	.05 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 90% relative humidity (RH)
Test:	To test this strobe light you must activate the test button of each inter-connected, smoke, CO or heat alarm.
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.
Indicator Lights:	
AC Power:	Constant Green LED
Listing:	Listed to UL1971 Standard

## SHIPPING SPECS:

Individual Carton Dimensions	5.75"L x 3.75"W x 6.00"H
Weight	0.81 lbs.
Cube	0.08 ft3
UPC	0 29054 00270 9
Master Carton Dimensions	17.67"L x 7.94"W x 12.75"H
Master Pack	12
Weight	12.7 lbs
Cube:	1.04 ft3
l2of5:	100 29054 00270 6
Pallet Information	
Cases per Layer	12
Number of Layers:	3
Cases per Pallet:	36
Units per Pallet:	432
Cube:	42.2 ft3
Weight:	524 lbs.

**BRK**<sup>®</sup>  
 THE PROFESSIONAL STANDARD  
 brkelectronics.com

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