

PHOTOELECTRONIC SMOKE ALARM 120V AC 60HZ

- Recommended for areas prone to "false" alarms; near kitchens, bathrooms, heating ducts; or in any smaller apartment or hotel rooms.

Cat. No. 5919



Cat. No. 5919TH



Features

Photoelectronic sensing chamber

Fully insect screened sensing chamber

Interconnectable up to 18 multiple station BRK alarms

"Quick-Connect" wiring harness

Oversized mounting bracket

Red LED/Light indicates unit is receiving AC power

5919TH also has a 135° fixed heat detector
(See wiring diagram on reverse)

85dB piezo alarm horn

Manual test button

Listed to UL 217

Benefits



Generally more effective at detecting slow smoldering fires

Prevents insects from entering sensing chamber, reducing unwanted alarms

Unit detects smoke, identifies itself and sends alarm signal to other units connected in series

Allows faster and easier connection to AC power

Mounts to any standard electrical junction box up to 4" octagonal without screw removal, Covers drywall cut-outs better

During an alarm, the red light on the unit that initiates the alarms goes out while the others stay on

Often spec'ed in Military housing and hospitals

Provides audible notification of fire

Tests all detector functions



DESCRIPTION:

The BRK Electronics Cat. No. 5919 is a 120V AC powered photoelectronic unit designed for both single and multiple station use, up to 18 units. Its sensor operated on the scattered light principle, and electronically compensates for ambient light conditions. The unit has its on 85dB electronic alarm horn, powered-on LED and test button. It is interconnectable and comes with a plastic bracket that mounts easily to 3" and 4" octagon, 4" square or single gang boxes. The 5919 comes with a plug-in connector.

This detector is designed so that, when interconnected, if any one of the units senses smoke, its LED will turn off and its alarm will sound. All other interconnected units will sound an alarm but their LEDs will remain on.
NOTE: All interconnected units must receive power from the same fuse or breaker.

Cat. No. 5919TH is identical to the 5919 but has a thermal sensor which is not connected to the unit. The thermal can be separately connected to a central control panel—ideal for hotels and hospitals. This sensor has its own plug-in connector and has a N.O. contact (Form A) rated 3A at 125V AC, a! at 30V DC.

SPECIFICATION

The smoke alarm shall be powered by a 120V AC, 650Hz. power source and shall be listed at .025A in standby condition. The alarm shall have a solid state photoelectronic sensor that operated on the scattered light principle. It shall be protected by an insect-resistant screen. The sensor shall sample the air at the alarm every 5 seconds and shall be designed to trigger an alarm if prescribed levels of smoke enter its chamber. The alarm shall electronically compensate for ambient light conditions and shall be cable of operating properly between 40° and 100°F (4°-38°C) and relative humidity between 10% and 90%. A built-in test button shall mechanically simulate the presence of smoke. A built-in light-emitting diode shall glow when AC power is being received. The alarm shall have an electronic alarm horn. It shall have a plug-in connector and be capable of interconnection with eleven other identical units. It shall be listed to UL 217.



Model 5919

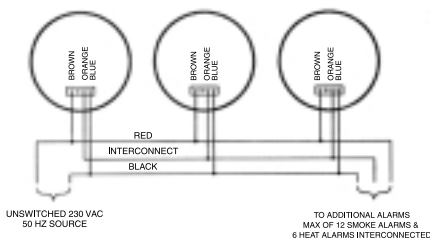


Model 5919TH

TECHNICAL SPECIFICATIONS

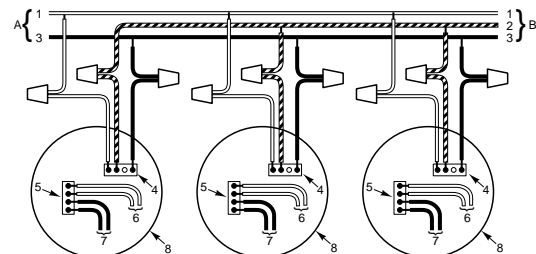
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|-----------------------------|--|
| Alarm Circuit | 100% solid state |
| Alarm Dimensions | 5.5" diameter, 2.5" height |
| Operating Temperature Range | 40°F(4.4°C) to 100°F(38°C) |
| Operating Humidity Range | 50%RH to 90%RH |
| Audio Alarm | 85dB at 10ft. |
| Power Indicator Lamp | Solid State LED |
| Test Button | Mechanically simulated the presence of smoke in photoelectronic sensing chamber, causing unit to alarm |
| Alarm Reset | Automatic when smoke clears |
| Interconnections | Up to 18 units |
| Weight | 8 ounces |
| Power Consumption | .025 Amps typical in standby .025 Amps in alarm |
| Thermal | 135°F, 50 foot space rating (cannot be used where ambient temperature exceeds 95°F). CONTACTS - Form A, Ratings: 3A @ 125V AC @ 30V DC |

Model 5919



MAXIMUM INTERCONNECT BUS LENGTH 1000 FEET FOR #12-#14 GAUGE WIRE.
ALL INTERCONNECTED SMOKE ALARMS MUST BE POWERED FROM THE SAME FUSE OR BREAKER.
INSTALL PER LOCAL ELECTRICAL CODES AND ARTICLE 780 OF THE NATIONAL ELECTRICAL CODE.

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