

SMOKE ALARM

9120A - 120V AC Wire-in

**9120BA - 120V AC Wire-in
w/9V Battery Back-up**



Features

Benefits

Dual Ionization Sensing Technology

Ionization technology is most sensitive to fast flaming fires. The sensing chamber is screened for insect protection.

“Smart Technology” system

A system of improvements designed to reduce nuisance alarms. A redesigned cover, metal sensing chamber and new integrated circuit (IC) work together to reduce nuisance alarms.

Latching Alarm Indication

When interconnected in a series, the unit that triggered the alarm rapidly flashes its red LED indicator. After the alarm condition subsides, the initiating unit will store in memory or “latch” the information and begin to flash the green LED indicator 2 seconds on, 2 seconds off.

Single Button Test/Silence

Eliminates confusion. Depending on what mode the alarm is in, pushing the button will test, silence, or re-test the alarm when in silence and clear the latching feature.

Operates on 120VAC (9120BA) with 9V battery back-up

Keeps alarm working during a power failure.

Easy access side-load battery drawer (9120BA)

Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment.

Locking Features

Pins are provided to lock battery drawer (9120BA only) and / or alarm to base. Great for apartment, dormitory or hotel applications where unauthorized removal of alarm is not desired.

Interconnectable—up to 18 devices, of which 12 can be smoke alarms

Can be interconnected with up to 12 smoke alarms and the remaining six can be combination units and / or RM4 realys.

“Quick-Connect” wiring harness

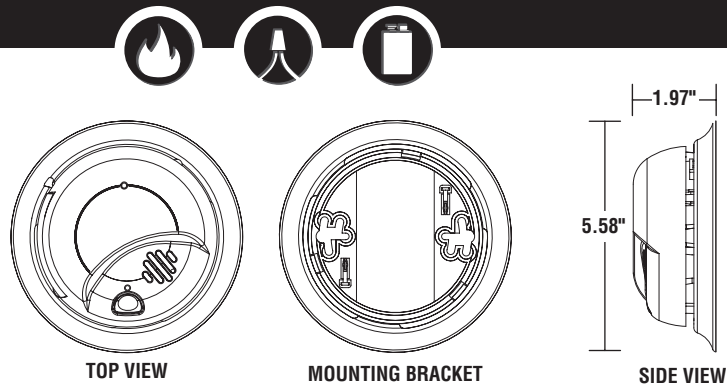
Provides quick and easy connection to AC power

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CAT. **9120A - 120V AC, 60Hz, Wire-in**
9120BA - with 9 volt battery back-up

SMOKE ALARMS



Architectural and Engineering Specifications

1. The unit shall be capable of self restoring.
2. A screened sensing chamber to prevent entry of small insects thereby reducing the probability of unwanted nuisance alarms.
3. Powered by 120V AC, 60Hz and have a monitored 9V battery backup (model 9120BA only).
4. A visual LED (green) power-on indicator to confirm unit is receiving power.
A visual LED (red) power-on indicator to confirm unit is working properly.
5. A test button to check all alarm functions by stimulating the chamber to simulate a smoke condition, causing the unit to alarm.
6. A solid state piezo horn rated at 85dB minimum at 3 meters.
7. The unit shall be capable of operating between 4 degrees C (40 degrees F) and 38 degrees C (100 degrees F) and relative humidity between 10% and 90%
8. The unit shall center mount to any standard electrical junction box up to 4 inches diagonally without screw removal and shall be listed for wall or ceiling mounting.
9. The unit shall have an optional locking mechanism to deter battery removal (model 9120BA only) and/or theft of the unit.
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 ULC S-531-02.

Installation Of Smoke Alarm

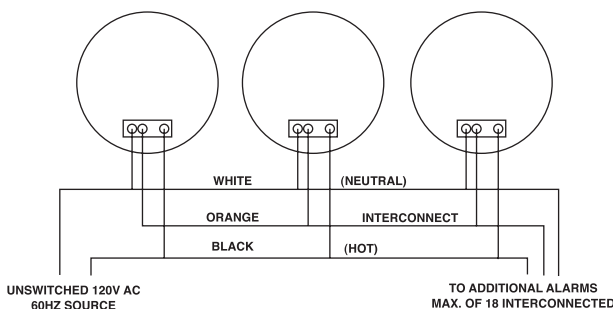
Installation of this smoke alarm must conform to all local electrical codes and Canadian Electrical Code C22.1. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker.

TECHNICAL SPECS :

| | |
|-------------------|---|
| Alarm Dimensions | 5.58" dia. x 1.97" H |
| Weight | 6.5 oz. (9120A) 7.8 oz. (9120BA) |
| Operating Voltage | 120V AC 60Hz (9120A) 120V AC 60Hz w/9V battery backup (9120BA) |
| Operating Current | .04 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 Button | Electronically simulates the smoke condition, causing the unit to alarm. |
| Alarm Reset | Automatic when smoke clears |
| Interconnections | Up to 18 units of which 12 can be smoke alarms |
| Sensor | Dual chamber ionization |
| Indicator LEDs | AC Power: Constant Green LED DC Power (9120BA) : Intermittent Red LED Remote Alarm: Red LED out Local Alarm: Red LED flashes rapidly Latching Alarm: Green LED flashes 2 sec. on / 2 sec. off after local alarm stops |
| Listing | ULC S-531-02 |

SHIPPING SPECS :

| | |
|------------------------------|---|
| Individual Carton Dimensions | 5.69"L x 2.25"W x 5.59"H |
| Weight | .53 lbs. (9120A); .61 lbs. (9120BA) |
| Cube | .04 ft ³ |
| UPC | 9120A: 0 29054 00109 2 9210BA: 0 29054 00108 5 |
| Master Carton Dimensions | 14.43" L x 6.19" W x 12.63" H |
| Master Pack | 12 |
| Weight | 7.0 lbs (9120A); 7.9 lbs. (9120BA) |
| Cube | .653 ft ³ |
| UPC | 9120A: 100 29054 00109 9 9210BA: 100 29054 00108 2 |
| Pallet Information | |
| Cases per Layer | 19 |
| Number of Layers | 3 |
| Cases per Pallet | 57 |
| Cube | 42.2 ft ³ |
| Weight | 359 lbs. (9120A); 450 lbs. (9120BA) |



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