

SMOKE ALARM



WIRELESS INTERCONNECT

Reliable and secure radio frequency communication between alarms. 915 MHz frequency with 65,000 security codes and 3 channel frequency hopping.

MESH NETWORK COMMUNICATION

2-way communication format that sends, receives and re-sends the alarm signals providing a more reliable network.

PHOTOELECTRIC

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

SILENCE FEATURE

Silences nuisance alarms.

TAMPER RESISTANT

Locks alarm to mounting bracket to prevent removal of battery and/or alarm. Perfect for apartment, dormitory or hotel applications.

END OF LIFE SIGNAL

Provides audible notice when alarm needs to be replaced after 10 years.

First Alert Model SA500A (Cat. 1039831) is a single station smoke alarm 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 SA500A has been fully tested and complies with ULC S531, NFPA 72, and NFPA 101 and other agencies that model their codes after the above agencies. It meets building codes where battery operated smoke alarms with wireless interconnect and silence features are required and with model building codes published by the ICC.

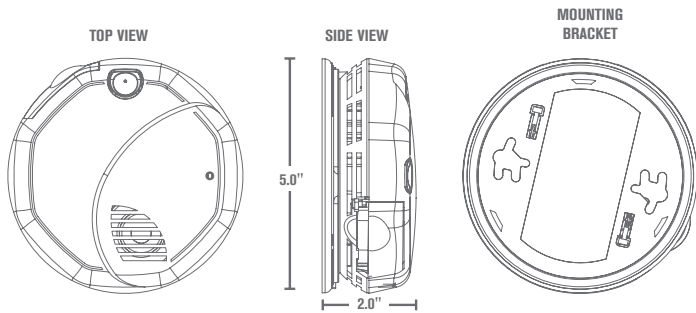
First Alert SA500A is a state of the art wireless smoke alarm designed to provide early warning of a fire. It features a fully insect screened Photoelectric smoke sensing chamber, an 85dB horn, a supervised 3V (2 AA batteries) power supply, a full function test switch and a silence feature. This smoke alarm interconnects via wireless communication on a reliable and secure radio frequency communication of 915 MHz frequency with 65,000 security codes and 3 channel frequency hopping. When interconnected with other First Alert Wireless Interconnect alarms it will also announce the danger and location detected of that alarm too. It operates on a Mesh Network; a two-way communication format that sends, receives and re-sends the alarm signals providing a more reliable network. It also features tamper resistant locking pins that lock alarm to the mounting bracket and battery drawer to prevent removal of battery or alarm. Perfect for apartment, dormitory or hotel applications. Designed for wall or ceiling mounting. Includes mounting anchors and screws.



PHOTOELECTRIC



Intertek
305574
Model SA500A



ARCHITECTURAL AND ENGINEERING SPECS

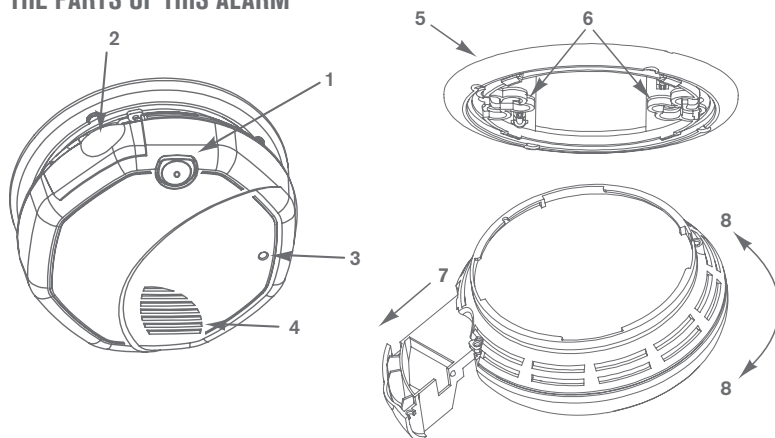
The smoke alarm shall be a First Alert Model SA500A (Cat. 1039831) and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber.
2. Wireless interconnect: 915 MHz frequency with 65,000 security codes and 3 channel frequency hopping.
3. Operates on a Mesh Network; a two-way communication format that sends, receives and re-sends the alarm signals providing a more reliable network.
4. The unit shall have a lower and varying horn frequency to make it easier for the elderly with normal age related hearing loss to better hear the horn.
5. A fully screened sensing chamber to resist entry of small insects.
6. Powered by 2 replaceable AA batteries, a solid state horn rated at 85dB at 10 ft and should be capable of self restoring.
7. A visual LED power-on indicator to confirm unit is receiving power or is in alarm.
8. Two Silence features - Low Battery Silence: Silence low battery chirp for up to 8 hours. Alarm Silence: Temporarily silence unwanted nuisance alarms.
9. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
10. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
11. The unit shall contain mounting hardware and shall be listed for wall or ceiling mounting.
12. The unit shall at a minimum meet the requirements of ULC S531, NFPA 72, NFPA 101, and ICC.
13. The unit shall have an "End of Life" signal. This signal should be capable of temporarily being silenced for up to 2 days. After about 2 days, the signal will resume. After about 2-3 weeks the signal cannot be silenced.

INSTALLATION OF ALARM

Installation of this smoke alarm must conform to NFPA 72. Always check your local building codes. Follow all instructions for placement as outlined in the user's manual in sections titled "Recommended Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms."

THE PARTS OF THIS ALARM



- | | |
|------------------------------|--|
| 1. Test/Silence button | 5. Mounting bracket |
| 2. Slide open battery drawer | 6. Mounting Slots & Locking tabs (Break out Tab) |
| 3. Power/Alarm LED | 7. Battery Drawer - Install 2 AA batteries here |
| 4. Horn | 8. Twist to attach and remove alarm from bracket |

TECHNICAL SPECS

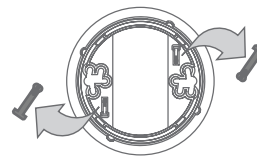
Alarm Dimensions:	5.0" Dia. x 2.0" H
Weight:	8.3 oz
Operating Voltage:	3V (Two 1.5V AA) Battery Powered
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 95% relative humidity (RH)
Audio Alarm:	85dB at 10 feet
Wireless Frequency:	915 MHz. FCC approved. Complies with Part 15 of the FCC Rules.
RF Linking:	Automatic with 65,000 security codes
Test/Silence:	Electronically simulates smoke condition, causing the unit to alarm. Press and hold test/silence button.
Alarm Reset:	Automatic when smoke clears
Smoke Sensor:	Photoelectric
Interconnections:	Up to 18 units, RF or hardwired (needs SA520A Bridge Unit), with smoke, carbon monoxide, heat alarms and relays. Maximum 12 smoke alarms.
Listing:	Certified to ULC STD S531

SHIPPING SPECS

Individual Carton Dimensions	3.5" L x 6.8" W x 8.5" H
Weight:	0.7 lbs.
Cube:	0.09 ft ³
UPC:	0 29054 01897 7
Master Carton Dimensions	10.8" L x 7.0" W x 9.0" H
Master Pack:	3
Weight:	2.4 lbs.
Cube:	0.3 ft ³
I2of5:	100 29054 01897 4
Pallet Information	
Cases per Layer:	21
Number of Layers:	5
Cases per Pallet:	105
Units per Pallet:	315
Cube:	55.9 ft ³
Weight:	283 lbs.

BATTERY DRAWER LOCK

Remove Pin from Mounting Bracket



Close Door. Insert Pin in Holes through alarm and Battery Drawer

