## Why Wireless?
- When one alarm sounds they all do.
- More warning...in more places...means more time to escape.
- Install in minutes! Less cost, less hassle.
- Provide your family with advanced fire protection.

### Wireless AC Powered Smoke Alarm
The Kidde Wireless AC Powered Smoke Alarm makes it easy to expand the coverage of a current interconnected system. Simply replace one interconnected smoke alarm with the Kidde Wireless AC powered alarm. You can then install Kidde Wireless Battery Powered Smoke Alarms in any additional rooms that need extra protection. The AC powered alarm bridges your home’s current interconnected system to the newly installed alarms, so that when one alarm goes off, all alarms will sound.

### Wireless Battery Powered Smoke Alarm
The Kidde Wireless Smoke Alarm enables families to quickly and easily install an interconnected smoke alarm system throughout their home without any messy wiring or labor. The battery-powered units are linked so that when one alarm sounds, it will trigger all to sound. In addition to providing protection to any room in your home, the Wireless Smoke Alarm also can be placed in a detached workshop or shed and linked into the home’s system.

### Smoke Sounder
The Kidde Wireless Smoke Sounder provides additional warning for those who may not wake to the sound of a traditional smoke alarm. It’s loud talking voice announces “Danger! Fire! Wake Up! Follow the Escape Plan!”, and is accompanied by a distinctive pitch that is designed to better wake children and older adults. Studies have shown that a vocal warning may be more successful at waking children than a traditional sounding smoke alarm. Lower frequency alerts may be more effective at waking children and those with high frequency hearing loss (most commonly brought on by aging). Smoke sounder is not to be used in place of a smoke alarm. *Device is not a UL certified accessory.

### Kidde Wireless System Product Information

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<tr>
<th>Item</th>
<th>Part Number</th>
<th>Pack Qty</th>
<th>UPC</th>
<th>I 2 of 5</th>
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Kidde Wireless System: Architectural, Engineering, and Technical Specifications

Architectural and Engineering Specifications for Wireless Model RF-SM-AC

The smoke alarm shall be Kidde Model RF-SM-AC or approved equal. It shall be powered by a 120VAC, 60 Hz source along with a 9V battery backup. The unit shall incorporate an ionization sensor with nominal sensitivity of 0.60±0.19%/ft. The temperature operation range shall be between 40°F (4°C) to 100°F (38°C) and the humidity operating range shall be up to 85% relative humidity.

The smoke alarm can be installed on any standard single gang electrical box, up to a 4″ octagon junction box. The electrical connection (to the alarm) shall be made with a plug-in connector.

The smoke alarm shall work interconnected immediately out of the box without any user programming. A maximum of 24 Kidde devices can be interconnected in a multiple station arrangement. The interconnect system must not exceed the NFPA (National Fire Protection Association) limit of 18 initiation devices, of which 12 can be smoke alarms. With 18 initiating devices (smoke, heat, CO, etc.), interconnected, it is still possible to interconnect 6 strobe lights and or relay modules.

The smoke alarm shall give fire alarm signals priority over all other signals. The smoke alarm shall incorporate a maximum allowable response delay from the detection of an initiating device to receipt and alarm/display by the receiver/control unit of 30 seconds. The smoke alarm shall automatically repeat alarm transmission at intervals not exceeding 60 seconds until the initiating device is returned to its non-alarm condition (per NFPA 72, Chapter 6, Section 6.16.3.2).

The smoke alarm shall have remote hush and low battery hush capabilities. The unit shall have alarm memory to indicate which alarm in a system was the initiating alarm (per NFPA 72, Chapter 6, Section 6.16.3.5). The unit shall provide optional tamper resistance that deters removal of the unit from the wall or ceiling.

The alarm shall include a test button that will electronically simulate the presence of smoke and cause the unit to go into alarm. This sequence tests the unit’s electronics, battery and horn to ensure proper operation.

The unit shall include a piezoelectric horn that is rated at 85 decibels at 10 feet. The smoke alarm shall produce an audible signal in the form of the “three pulses” temporal pattern. Each ON phase shall last 0.5-second +/-10 percent. After the third of these ON phases, there shall be an OFF phase that lasts 1.5 seconds +/-10 percent. This pattern should repeat continuously without interruption. The unit shall also include a low battery warning utilizing a brief alarm chirp every 30-40 seconds for a minimum of 7 (seven) days.

The unit shall incorporate one red LED to the alarm’s current status and mode of operation. The red LED will flash in conjunction with the alarm beep, and flash during a smoke alarm, a low battery mode and a unit error. The unit shall incorporate one green LED to indicate the alarm’s current status and mode of operation. The green LED will indicate one of five (5) conditions:

- **Standby Condition** (powered by AC and battery backup)— The LED will be constant on.
- **Standby Condition** (powered by only battery backup) — The LED will flash approximately every 10 seconds.
- **Initiating Alarm Indicator** — The LED will flash every second while sounding an alarm to signify that the alarm sensed a smoke hazard.
- **Alarm Memory Condition** — The LED will flash every second signifying that the alarm sensed a smoke hazard. It will continue to flash every second until the test/reset button is pressed, thus resetting the alarm.
- **Hush® Mode Condition** — The LED will flash every 2 seconds while the alarm is in Hush® Mode

The unit shall at a minimum meet the requirements of UL217, NFPA72. The State of California Fire Marshall, NFPA 101 (one and two family dwellings) Federal Housing Authority (FHA), Housing and Urban Development (HUD). It shall also include a 10-year manufacturer’s limited warranty.

Technical Specifications:

- **Power Source**: 120VAC; 9V battery backup
- **Audio Alarm**: 85dB at 10ft
- **Temperature Range**: 40°F (4.4°C) to 100°F (37.8°C)
- **Humidity Range**: up to 85% relative humidity (RH)
- **Sensor**: Ionization
- **Wiring**: Quick connect plug with 8" pigtauls
- **Size**: 5.75” in diameter x 1.25” depth
- **Weight**: .5lb
- **Interconnects**: Up to 24 devices (of which 18 can be initiating)

Architectural and Engineering Specifications for Wireless Model RF-SM-DC

The smoke alarm shall be Kidde Model RF-SM-DC or approved equal. It shall be powered by three (3) AA batteries. The unit shall incorporate an ionization sensor with nominal sensitivity of 0.60±0.19%/ft. The temperature operation range shall be between 40°F (4°C) to 100°F (38°C) and the humidity operating range shall be up to 85% relative humidity.

The smoke alarm shall work interconnected immediately out of the box without any user programming. A maximum of 24 Kidde devices can be interconnected in a multiple station arrangement. The interconnect system must not exceed the NFPA (National Fire Protection Association) limit of 18 initiation devices, of which 12 can be smoke alarms. With 18 initiating devices (smoke, heat, CO, etc.), interconnected, it is still possible to interconnect 6 strobe lights and or relay modules.

The smoke alarm shall give fire alarm signals priority over all other signals. The smoke alarm shall incorporate a maximum allowable response delay from activation of an initiating device to receipt and alarm/display by the receiver/control unit of 30 seconds. The smoke alarm shall automatically repeat alarm transmission at intervals not exceeding 60 seconds until the initiating device is returned to its non-alarm condition (per NFPA 72, Chapter 6, Section 6.16.3.2).

The smoke alarm shall have remote hush and low battery hush capabilities. The unit shall have alarm memory to indicate which alarm in a system was the initiating alarm (per NFPA 72, Chapter 6, Section 6.16.3.5). The unit shall provide optional tamper resistance that deters removal of the unit from the wall or ceiling.

The alarm shall include a test button that will electronically simulate the presence of smoke and cause the unit to go into alarm. This sequence tests the unit’s electronics, battery and horn to ensure proper operation.

The unit shall include a piezoelectric horn that is rated at 85 decibels at 10 feet. The smoke alarm shall produce an audible signal in the form of the “three pulses” temporal pattern. Each ON phase shall last 0.5-second +/-10 percent. After the third of these ON phases, there shall be an OFF phase that lasts 1.5 seconds +/-10 percent. This pattern should repeat continuously without interruption. The unit shall also include a low battery warning utilizing a brief alarm chirp every 30-40 seconds for a minimum of 7 (seven) days.

The unit shall incorporate one red LED to indicate the alarm’s current status and mode of operation. The red LED will flash in conjunction with the alarm beep, and flash during a smoke alarm, a low battery mode and a unit error. The unit shall incorporate one green LED to indicate the alarm’s current status and mode of operation. The green LED will indicate one of four (4) conditions:

- **Standby Condition** — The LED will flash approximately every 10 seconds.
- **Initiating Alarm Indicator** — The LED will flash every second while sounding an alarm to signify that the alarm sensed a smoke hazard.
- **Alarm Memory Condition** — The LED will flash every second signifying that the alarm sensed a smoke hazard. It will continue to flash every second until the test/reset button is pressed, thus resetting the alarm.
- **Hush® Mode Condition** — The LED will flash every 2 seconds while the alarm is in Hush® Mode

The unit shall at a minimum meet the requirements of UL217, NFPA72. The State of California Fire Marshall, NFPA 101 (one and two family dwellings) Federal Housing Authority (FHA), Housing and Urban Development (HUD). It shall also include a 10-year manufacturer’s limited warranty.

Technical Specifications:

- **Power Source**: 3 AA batteries
- **Audio Alarm**: 85dB at 10ft
- **Temperature Range**: 40°F (4.4°C) to 100°F (37.8°C)
- **Humidity Range**: up to 85% relative humidity (RH)
- **Sensor**: Ionization
- **Wiring**: None
- **Size**: 5.75” in diameter x 1.25” depth
- **Weight**: 1.5lb
- **Interconnects**: Up to 24 devices (of which 18 can be initiating)