

CITY OF CHICAGO

EFFECTIVE JANUARY 1, 2022

As of January 1, 2022, solely battery-powered smoke alarms installed in multifamily dwellings must be powered by a self-contained, non-removable, long-term battery.

Alarms installed before January 1, 2022 can remain as long as the date of manufacture is no more than 10 years before the date of use.

EFFECTIVE JANUARY 1, 2023

Only smoke alarms powered from a building's wiring or by a self-contained, non-removable long term battery may be sold, purchased, or given away.

BY JANUARY 1, 2033

Any battery-powered alarms remaining (in use) in owner-occupied dwellings must be replaced by alarms powered by a self-contained, non-removable, long-term battery.

ILLINOIS

Since 1988, smoke alarms have been required in all residential dwellings including, single-family homes, multifamily homes, hotels, rental properties, dormitories, etc.

Since 2011, new construction or renovated dwellings have required smoke alarms to be hardwired with a battery back-up, interconnectable, and UL-listed.

EFFECTIVE JANUARY 1, 2023

Any **existing non-hardwired, battery-powered** smoke alarm **must be replaced with a 10-year, sealed battery** smoke alarm when it meets **ANY** of the following criteria:

- A** The unit is 10 years older than the date of manufacture (or there is no manufacture date on the device).
- B** The unit is no longer operational or fails to respond to operability tests.
- C** A new device is being installed.

Chicago

All non-hardwired battery powered smoke alarm must use a 10-Year non-removable battery when they are replaced.

Illinois

Until 12/31/2022 - non-hardwired battery-powered smoke alarms can use removable batteries when they are replaced.

After 1/1/2023 - non-hardwired battery powered smoke alarm must use a 10-year sealed/non-removable battery when they are replaced.

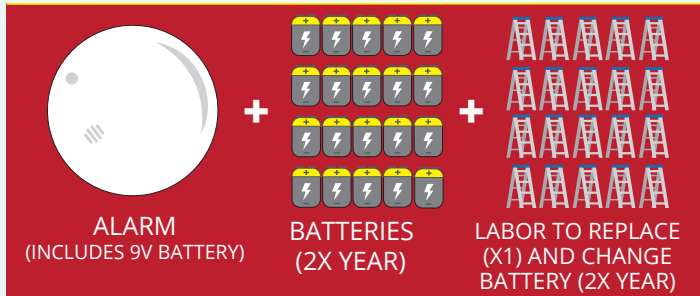
SCAN TO VISIT INDUSTRY ALERTS >

To stay up to date on changes impacting multifamily properties, visit: [ChadwellSupply.com/industry-alert](https://www.ChadwellSupply.com/industry-alert)



SWITCHING TO 10 YEAR ALARMS IS IT WORTH THE INITIAL COST?

STANDARD 9V ALARM



ALARM (INCLUDES 9V BATTERY) + BATTERIES (2X YEAR) + LABOR TO REPLACE (X1) AND CHANGE BATTERY (2X YEAR)

10-YEAR ALARM



ALARM (INCLUDES 10-YEAR BATTERY) + LABOR TO REPLACE ALARM

Total Cost = \$151 Per Alarm

10-Year Savings = \$113 Per Alarm

Total Cost = \$38 Per Alarm

Cost based on \$8 alarm (#153019), \$2 per battery, \$10 replacement labor, and \$5 for labor to change batteries.

Cost based on \$28 alarm (#153016) and \$10 replacement labor.

ESTIMATE YOUR PROPERTY SAVINGS

$$\frac{\$113}{\text{Savings per 10-Year Alarm}} \times \frac{\# \text{ of Alarms per Unit}}{\text{Units on Property}} = \text{Total Savings by Property}$$



FOR MORE ON SMOKE ALARMS OR TO USE OUR 10-YEAR BATTERY SAVINGS CALCULATOR, VISIT: ChadwellSupply.com/pk-fire-safety

Mfg	Chadwell Item#	Model#	Battery Type	Tamper Resist. Batt.	10-Year Sealed Batt.	Sensor Type	Voice Warning	Size	Warranty	Low Batt. Signal	End of Life Alarm	Interconnect Units
Smoke Alarm												
Battery (DC)												
Kidde	153016	i9010	Lithium	✓	✓	Ionization	✗	5.6"	10-Yr	✓	✓	NO
Kidde	153015	P3010L	Lithium	✓	✓	Photoelectric	✗	5.2"	10-Yr	✓	✓	NO
USI	153009	MIB3050S	Alkaline	✓	✓	Ionization & Photoelectric	✗	5.75"	10-Yr	✗	✓	NO
Direct Wire & Battery Backup (AC/DC)												
Kidde	153055	i12010S	Lithium	✓	✓	Ionization	✗	5.5"	10-Yr	✓	✓	24
Kidde	153023	i12040	9V	✓	✓	Ionization	✗	5.6"	10-Yr	✓	✗	24
Kidde	153060	Pi2010	9V	✓	✗	Ionization & Photoelectric	✗	5.75"	10-Yr	✓	✗	24
Kidde	153021	i5000	9V	✓	✗	Ionization	✗	5.6"	10-Yr	✗	✗	24
BRK	153020	9120B	Lithium	✗	✗	Ionization	✗	5.69"	10-Yr	✓	✗	18
BRK	153059	9120LBL	Lithium	✗	✗	Ionization	✗	5.69"	10-Yr	✓	✗	18
USI	153010	5304-L	Lithium	✓	✗	Ionization	✗	5.6"	10-Yr	✓	✗	24
USI	153065	MI106S	Alkaline	✓	✓	Ionization & Photoelectric	✗	5.75"	10-Yr	✓	✓	24
Carbon Monoxide Alarm												
Battery (DC)												
Kidde	153018	C3010	Lithium	✗	✓	Electrochemical	✓	4.5" x 2.75"	10-Yr	✓	✓	NO
Direct Wire & Battery Backup (AC/DC)												
Kidde	153026	KN-COB-IC	9V	✓	✗	Electrochemical	✗	5.75"	10-Yr	✓	✗	24
USI	153070	MC3045B	Alkaline	✓	✓	Electrochemical	✗	5" x 2.5"	5-Yr	✓	✓	NO
Carbon Monoxide & Smoke Alarm Combo												
Direct Wire & Battery Backup (AC/DC)												
Kidde	153058	i12010SCO	Lithium	✓	✓	Ionization & Electrochemical	✓	5.5"	10-Yr	✓	✓	24
Kidde	153022	KN-COSM-IBA	2-AA	✓	✓	Ionization & Electrochemical	✓	5.6"	10-Yr	✓	✓	24
BRK	153051	SC9120LBL	Lithium	✗	✓	Dual Sensing & Electrochemical	✓	5.69"	10-Yr	✓	✓	18
USI	153040	MIC1509S	9V	✓	✓	Dual Sensing & Electrochemical	✓	5.75"	10-Yr	✓	✓	24
USI	153041	MIC3510SB	9V	✓	✓	Dual Sensing & Electrochemical	✗	5.75"	10-Yr	✓	✓	NO
Hearing Impaired Strobe Light												
Direct Wire (AC)												
BRK	153012	7020BSL	2-AAA	✗	✗	Photoelectric	✗	5.25"	10-Yr	✓	✗	NO

Ionization -	Sensing alarms may detect invisible fire particles (associated with flaming fires) sooner than photoelectric alarms.
Photoelectric -	Sensing alarms may detect visible particles (associated with smoldering fires) sooner than ionization alarms.
Dual Sensing -	Combines the benefits of both photoelectric & ionization technology. Responds quickly to both fast-flaming and slow-smoldering fires.
Electrochemical -	Sensing alarms are highly sensitive and capable of rapidly detecting carbon monoxide (CO) concentrations, resulting in early fire detection.