

# SMOKE & CARBON MONOXIDE ALARM



## LOW PROFILE DESIGN

Sleek, contemporary design blends into any décor.

## ELECTROCHEMICAL CO SENSOR

Most accurate technology available for detecting carbon monoxide as compared to other sensing technologies.

## 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.

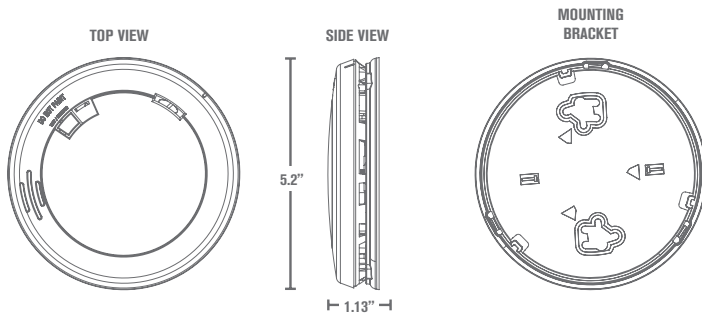
## END OF LIFE SIGNAL

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

First Alert Model PRC700A (Cat. 1039778) is a battery operated single station photoelectric smoke and carbon monoxide combination 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 PRC700A has been fully tested and complies with, ULC S531, CSA 6.19-01, CSFM, NFPA 72, NFPA 720, NFPA 101 and other agencies that model their codes after the above agencies. It meets building codes where battery operated photoelectric smoke and carbon monoxide combination alarms are required and with model building codes published by the ICC.

First Alert PRC700A is a state of the art smoke and CO combination alarm designed to provide early warning of a fire or carbon monoxide danger. It features a photoelectric smoke sensing chamber and an electrochemical CO sensor. Two AA alkaline batteries power supply, 10 Year CO sensor, 10 Year End of Life feature and single button test/silence. This alarm has two silence features. Low Battery Silence: Temporarily silence the low battery chirp for up to eight hours. Alarm Silence: Silence alarm for several minutes. It also features a tamper resistant locking pin that locks the alarm to the mounting bracket to prevent removal of batteries or alarm. Designed for wall or ceiling mounting. Includes mounting anchors and screws.





### TECHNICAL SPECS

Alarm Dimensions:	5.7" Dia. x 1.3" H
Weight:	7.5 oz
Operating Voltage:	3V Battery Powered (2 AA Alkaline)
Temperature Range:	402°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 95% relative humidity (RH)
Audio Alarm	85dB at 10 feet
Test/Silence:	Electronically simulates smoke and CO conditions, causing the unit to alarm. Press and hold test/silence button.
Alarm Reset:	Automatic when smoke clears
Smoke Sensor:	Photoelectric
CO Sensor:	Electrochemical
Indicator Lights/Sounds:	
DC Power:	Intermittent Green LED
Local Alarm:	Audio alarm and rapidly flashing Red LED
Listing:	Certified to ULC STD S531 & CSA 6.19-01

### ARCHITECTURAL AND ENGINEERING SPECS

The smoke and CO combination alarm shall be a First Alert Model PRC700A (Cat. 1039778) and shall provide at a minimum the following features and functions:

1. A Photoelectric smoke sensing chamber and an electrochemical CO sensor.
2. 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.
3. Fully screened smoke sensing chamber to resist entry of small insects thereby reducing the probability of unwanted alarms and be capable of self restoring.
4. Powered by replaceable 2 AA alkaline batteries and a solid state piezo horn rated at 85dB at 10 ft.
5. A visual LED power-on indicator to confirm unit is receiving power or is alarm.
6. A full function test button should check all alarm functions by simulating a smoke and CO condition, causing the unit to alarm.
7. Two Silence features - Low Battery Silence: Silence low battery chirp for up to 8 hours. Alarm Silence: Temporarily silence unwanted nuisance alarms.
8. Tamper resistant locking pin that locks alarm to mounting bracket to prevent removal of batteries.
9. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
10. The unit shall contain mounting hardware and shall be listed for wall or ceiling mounting.
11. The unit shall at a minimum meet the requirements of ULC S531, CSA 6.19-01, CSFM, NFPA 72, NFPA 720, NFPA 101, and ICC.

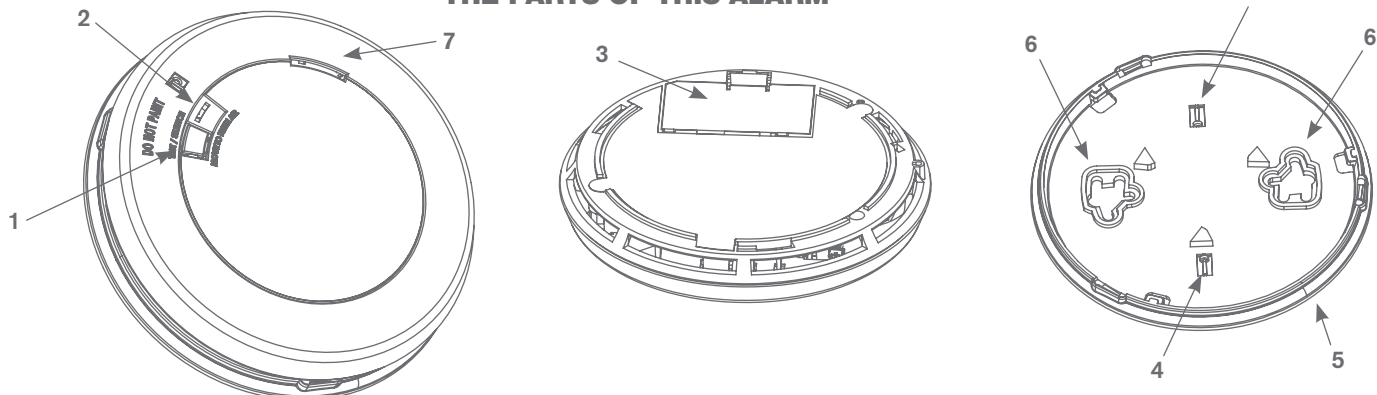
### SHIPPING SPECS

Individual Carton Dimensions	6.8" L x 2.5" W x 8.5" H
Weight:	0.6 lbs.
Cube:	0.1 ft <sup>3</sup>
UPC:	0 29054 01861 8
Master Carton Dimensions	14.7" L X 7.3" W X 9.0" H
Master Pack:	6
Weight:	4.6 lbs.
Cube:	0.6 ft <sup>3</sup>
I2of5:	200 29054 01861 2
Pallet Information	
Cases per Layer:	15
Number of Layers:	5
Cases per Pallet:	75
Units per Pallet:	450
Cube:	52.6 ft <sup>3</sup>
Weight:	374 lbs.

### INSTALLATION OF ALARM

Installation of this alarm must conform to NFPA 72 and 720. 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. LED alarm light                  | 6. Mounting Slots   |
| 3. Install AA batteries here        | 7. Horn             |
| 4. Locking tab slot (Break out Tab) |                     |



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