

APC-120V-CO-S

Combination Smoke & Carbon Monoxide
120VAC Operated Alarm w Battery Backup



PRODUCT APPLICATION

This product is an AC-powered combination ionization-type smoke alarm and carbon monoxide (CO) alarm equipped with a 9 volt back-up battery.

Ionization smoke alarms are typically more effective at detecting fast flaming fires – those which consume combustible materials rapidly and spread quickly. Sources of these materials may include paper burning in a wastebasket or kitchen grease fires.

Carbon monoxide (CO) is an invisible, odorless, colorless gas created when fuels (such as gasoline, wood, coal, natural gas, propane, oil, and methane) burn incompletely. In the home, heating and cooking equipment that burn fuel can be sources of carbon monoxide. Vehicles running in an attached garage could also produce dangerous levels of the gas. CO replaces oxygen in the bloodstream, eventually causing suffocation.

Early warning of smoke from fire and/or harmful levels of carbon monoxide is best achieved by installing alarms on every level of the dwelling, including basements. The APC-120V-CO-S makes it easy to provide both types of protection throughout the home with the added benefit of interconnection (up to 12 units, when one alarm initiates, all devices will sound). For maximum detection, an alarm should be centrally located inside every bedroom and outside of each sleeping area in the immediate vicinity of the bedrooms and on every level. Where bedrooms are separated and audibility of the alarm to occupants within the bedroom area could be impaired, more than one unit could be needed. See product installation instructions for additional recommendations.

PRODUCT DESCRIPTION

The single or multiple station 120VAC (60Hz) operated combination smoke and carbon monoxide alarm from Air Products and Controls is intended for use in ordinary indoor locations of family living units such as houses, apartments and mobile homes. A factory-installed 9V alkaline battery is included. It is not designed to measure CO levels in compliance with OSHA commercial or industrial standards. This product is not designed for marine use.

FEATURES

- 120V Hardwired Application with Battery Backup: Provides protection even in the event of a power outage
- Wire Harness: Easy connection with quick interconnect of up to 12 units
- Mounting Base: Attaches to single gang or 4" (102mm) octagon junction box, covers drywall cutout
- Pull-out Battery Drawer: For easy battery replacement without removing alarm from mounting base
- Separate Sensors: Detects smoke or carbon monoxide (smoke sensor takes precedence)
- Visible Indication: Easily identify alarm conditions (Green: AC power; Red: alarm; Yellow: service)
- 85 Db Alarm: Different sounds distinguish between signals for smoke alarm (temp 3) and CO alarm (temp 4)
- Single Silence / Test Button: With automatic reset, eliminates nuisance alarms from cooking or fireplace smoke
- End-of-Service Life Warning: Alarm chirps and Service LED flashes to signify replacement (approx. six years)
- Tamper Resistant Locking Feature: Prevents unauthorized removal of alarm
- Five Year Product Warranty
- ANSI/UL 217 and 2034 Listed



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PRODUCT SPECIFICATIONS

MODEL NUMBER:	APC-I20V-CO-S 120 Volt AC Powered Combination Carbon Monoxide and Ionization Smoke Alarm with 9V Battery Backup
APPROVALS:	UL Listed (CZHF) (UTGT) File # S25226 CSFM (pending)
DIMENSIONS:	5.75" L x 5.75" W x 1.75" H (146 mm x 146 mm x 44mm)
MAX. NET WT.	0.72 lbs. (0.34 kg.)

WHAT YOU SHOULD KNOW ABOUT CO

The following symptoms are related to CARBON MONOXIDE POISONING:

MILD EXPOSURE

Slight headache, nausea, vomiting, fatigue (often described as “flu-like” symptoms).

MEDIUM EXPOSURE

Severe throbbing headache, drowsiness, confusion, fast heart rate.

EXTREME EXPOSURE

Unconsciousness, convulsions, cardiorespiratory failure, death.

WHAT LEVELS OF CO CAUSE AN ALARM?

Underwriters Laboratories Inc. UL2034 defines three specific alarm points by which all residential CO alarms must alarm. They are measured in parts per million (ppm) of CO over time (in minutes).

UL2034 Required Alarm Points:

- If the alarm is exposed to 400 ppm of CO, IT MUST ALARM BETWEEN 4 and 15 MINUTES.
- If the alarm is exposed to 150 ppm of CO, IT MUST ALARM BETWEEN 10 and 50 MINUTES.
- If the alarm is exposed to 70 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The products described have specific instructional/installation documentation, which covers various technical, approval, code, limitation and liability information. Copies of this documentation along with any general product warning and limitation documents, which also contain important information, are provided with the product and are also available from Apollo America Inc. The information contained in all of these documents should be considered before specifying or using the products. Any example applications shown are subject to the most current enforced local/national codes, standards, approvals, certifications, and/or the authority having jurisdiction. All of these resources, as well as the specific manufacturer of any shown or mentioned related equipment, should be consulted prior to any implementation. For further information or assistance concerning the products, contact Apollo America Inc. Apollo America Inc. reserves the right to change any and all documentation without notice.