


120V AC
Direct Wire
with Battery
Back-up

FIREX®

Smoke Alarm X

Ionization Smoke Alarm

Items: 4518
4518C (Canada)

Why Install a FireX® Smoke Alarm?

The 4518(C) smoke alarm provides contractors and homeowners with the reliable and trouble-free performance they expect from FireX. FireX developed the Quick Quiet™ False Alarm Control feature to quiet unwanted alarms as a safety precaution to discourage users from removing the battery during a non-threatening alarm. It meets building code requirements where DC battery back-up is required and is recommended for all smoke alarm installations to provide added fire protection in the event of a power failure. With safety features such as battery lock-out and the tamper-resistant locking pin as well as state-of-the-art production testing equipment, the FireX 4518(C) provides superior fire protection and convenience.

Description

The FireX 4518(C) Smoke Alarm is an ionization 120V AC smoke alarm with battery back-up for single or multiple station use. It includes a Quick Quiet™ False Alarm Control feature which allows the user to quiet an unwanted alarm for up to 15 minutes. The 4518(C) has an 85 decibel horn, ramp-up test horn, test button and separate lighted power and alarm LED indicators; the green “power on” LED confirms constant AC power and the red LED displays alarm/battery status. The latching LED feature identifies the smoke alarm that initiated an alarm in an interconnected system with a flashing red LED. The LED will remain flashing until the test button is depressed on that unit. The dust cover helps eliminate nuisance call-backs by keeping construction dust and debris which could cause false alarms.



This unit mounts to most 4” octagonal, square or circular junction boxes and has a 7” long Quick Connect™ wiring harness. The 4518(C) is interconnectable with up to 11 other AC/DC smoke alarms and 6 FireX heat, carbon monoxide or smoke and CO combination alarms for a maximum total of 18 FireX alarms. When interconnected with other FireX smoke alarms, the unit that initiates an alarm will display a rapidly flashing red LED while the other interconnected alarm LEDs remain extinguished. This FireX unit should be placed in single-family households or in each individual living unit of multiple-family buildings. All smoke alarms should be replaced every 10 years.

Features and Benefits

Alarm Locator – Red LED flashes until reset for quick, clear identification of the initiating alarm in an interconnected system (item 4518 only).

Quick Quiet™ False Alarm Control – Quiets unwanted alarms for up to 15 minutes.

Visible Low Battery Indicator – Helps locate chirping unit (item 4518 only).

9 Volt Battery Back-up (battery included) – Provides added protection in the event of a power failure.

Ramp-up Test Horn – Allows you to test the unit without an ear-piercing horn (item 4518 only).

Interconnects with other FireX smoke, CO, smoke/CO combination, and heat alarms – Compatible with other contractor preferred FireX products.

Two separate lighted LEDs – Green “power-on” LED confirms constant AC power and red LED displays alarm/battery status.

Tamper resistant locking pin – Prevents tenants from removing the battery.

An ISO 9001 – 2000 Certified Company

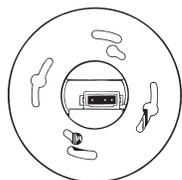


5 Year
Limited
Warranty

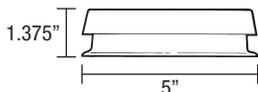
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Ionization Smoke Alarm

Mounting Bracket



Side View



Architectural Specifications

The smoke alarm shall be a design (1-3/8" high, 4-7/8" wide), powered by a 120 VAC, 60 Hz source with a 9 volt battery back-up. The alarm shall have a Quick Connect™ wiring harness. The alarm shall have a dual chamber ionization sensor. The alarm shall be rated at no greater than 0.5W in standby. Nominal sensitivity shall be measured by U.L. and U.L.C. at 1.29 ± 0.51% obs./ft. Temperature operating range shall be between 40° and 100°F; humidity range between 10%-93% relative humidity; 100% solid state alarm circuits over an input range of 100-130V AC. A green continuous power-on indicator shall be a built-in light emitting diode when AC power is present; a second red blinking LED shall indicate that a sufficient 9-volt battery back-up is present. When activated the initiating alarm red LED shall flash while the interconnected alarm LEDs remain extinguished (item 4518 only). The Quick Quiet™ False Alarm Control feature shall desensitize the alarm for 15 minutes. The red LED shall blink once every 10 seconds when in Quick Quiet™ False Alarm Control and the alarm shall produce two short chirps two seconds apart at the conclusion of the desensitized period. The test switch shall electronically activate the chamber to simulate smoke and check for proper operation. Upon alarm activation, the unit shall emit an alarm signal of 85 decibels at 10 feet. To protect hearing during testing, a ramp-up horn shall be utilized which allows the first alarm to have a lower volume before the alarm sounds at full volume. The alarm shall mount to most 4" octagon, square or round junction boxes. It shall have a wiring harness, and a separate mounting bracket. It shall include a battery lock-out to prohibit mounting if battery is not installed and a tamper-resistant locking pin to prevent unauthorized removal. The 4518 shall meet the requirements of U.L. Standard 217 and the 4518C shall meet the requirements of U.L.C. Standard S531.

Ordering Data

Item No.	Model No.	Agency Listing	Packaging
4518	ADC	UL/CSFM	carton
4518C	ADC	ULC	carton

invensys. Controls

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FIREX® Smoke Alarm

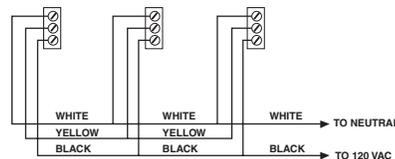
Technical Specifications

Product Weight	8 oz.	
Operating Temperature	40°F to 100°F	4°C to 38°C
Interconnect Qty.	Up to 18 FireX alarms maximum: 12 Smoke alarm items 4518(C) (model ADC), 5000 and 4618 (model FADC), and 4480 (model PAD). Up to 6 heat, carbon monoxide or smoke and carbon monoxide combination alarms maximum; FireX heat alarm item 5700 (model ADH), FireX carbon monoxide alarm item 10000 (model COE) or FireX smoke and carbon monoxide combination alarm 12000 (model FADCM).	
Electrical Rating	120V AC, 60Hz, 50mA max., 9V DC battery back-up	
Alarm Point	1.29±0.51%/ft. obscuration	
Horn Output	85 decibels at 10 feet	
Listings	4518 – UL 217	4518C – ULC S531
Detection Type	Dual ionization chamber	
Humidity Range	10% - 93% relative humidity	

Installation

This smoke alarm should be installed in accordance with the NFPA's Standard 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269) and any local codes that apply.

DO NOT connect to any other type or model of heat, smoke or CO alarm except for those listed above. Connect smoke or heat alarms to a single AC branch circuit. If local codes do not permit, be sure the neutral wire is common to both phases.



Shipping Specifications

Individual Carton Dimensions	5-1/8" x 5-1/8" x 1-1/2" 13cm x 13cm x 3.8cm
Master Carton Quantity	24
Master Carton Dimensions	19-3/4" x 10-3/4" x 5-1/2" 50.2cm x 27.3cm x 13.9cm
Master Carton Weight	13 lbs. 5.9 kg
Pallet Quantity	1152
Pallet Dimensions	40"L x 48"W x 48"H 102cm x 122cm x 122cm