



120V AC  
Direct Wire with  
Battery Back-up and  
Quick Quiet™ False  
Alarm Control™

## Item 4518(C)

Canadian Model Availability Denoted by (C)

### Features and Benefits

**NEW 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

**NEW 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

**NEW Ramp-Up Test Horn** — Allows you to test the unit without the ear-piercing horn (item 4518 only)

**Interconnects with other Firex smoke alarms 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

**Factory sealed housing** — Prevents tampering and provides outstanding durability

# FIREX®

## Smoke Alarm

### Description

The Firex 4518 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 has an 85 decibel horn, ramp-up test horn, test switch 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 clearly 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 eliminates nuisance call-backs by keeping construction dust and debris from causing false alarms.

This unit mounts to any single or 4" octagon junction box or square-to-round drywall ring and has 8" long pigtailed with a Quick Connect harness for permanent connection. The 4518 is interconnectable with up to 11 other AC/DC smoke alarms and 6 Firex heat, carbon monoxide or smoke and CO combo alarms for a total of not more than 18 Firex devices. 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.

### Why Install a Firex 4518(C) Smoke Alarm?

The 4518 smoke alarm provides contractors and homeowner's with the reliable and trouble-free performance they expect from Firex...the market leader in fire safety products. 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 provides superior fire protection and convenience.




An ISO 9002 Certified Company



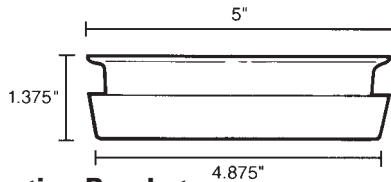
**5** Year  
Limited  
Warranty

Item 4518(C)

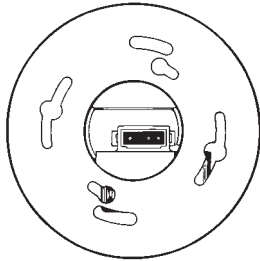
  
 120V AC  
 Direct Wire with  
 Battery Back-up and  
 Quick Quiet™  
 False Alarm Control™

# FIREX® Smoke Alarm

## Side View



## Mounting Bracket



## Architectural Specifications

The smoke alarm shall be a Styleline 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" molded 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  $1.29 \pm 0.51\%$  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 2 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. The Piezoelectric horn shall have a level of 85 decibels at 10 feet. The alarm shall mount to a single gang box, 4" octagon junction box, or a square to round drywall ring without screw removal. It shall have a pigtail wiring, 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 4518 C shall meet the requirements of U.L.C. Standard S531.

## Technical Specifications

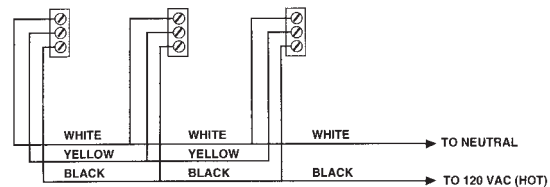
<b>Item</b>	4518(C)
<b>Model</b>	ADC
<b>Product Weight</b>	8 ounces
<b>Operating Temperature</b>	40° – 100°F
<b>Interconnect Qty.</b>	Up to 18 Firex devices maximum: 12 Smoke alarm items 4418 (C) (model AD), 4518 (C) (model ADC), 5000 and 4618 (model FADC), and 4480 (model PAD). Up to 6 heat, carbon 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).
<b>Electrical Rating</b>	120V AC, 60HZ, 50mA max, 9 Volt Battery Back-up
<b>Alarm Point</b>	1.29±0.51%/ft. obscuration
<b>Horn Output</b>	85 decibels at 10 feet
<b>Listings</b>	4518 - U.L. 217 4518 C - U.L.C. S531
<b>Detection Type</b>	Dual ionization chamber
<b>Humidity Range</b>	10%-93% relative humidity

## Installation of Smoke Alarm

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.

Use #18 AWG minimum solid or stranded wire. When interconnecting, maximum wire length between any two is 1,500 feet for #18 AWG or 4,000 feet for #14 AWG (20 OHMS loop resistance).

DO NOT connect to any other type or model of heat or smoke alarm. 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.                      5.9kg
Pallet Quantity	1152
Pallet Dimensions	40"L x 48"W x 48"D 102cm x 122cm x 122cm

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