

120V AC
Direct Wire
Ionization

AC Ionization

Items 406, 428, 41216
406C, 418C & 428C

Canadian Model Availability Denoted by (C)

Features and Benefits

Dual ionization smoke sensing chamber – Early detection of fast burning fires such as gasoline, cooking grease and paper

Installation design and features similar to other Firex smoke alarms – Contractor familiarity with installation

Interconnect Flexibility – Product line offers contractors the right number of interconnects for their application

Lighted Power/Alarm LED – Confirms unit is receiving power and provides visual indication of initiating alarm in interconnected system

Incorporates Firex installer-focused innovations – Fastest and easiest installation available

Factory sealed housing – Prevents tampering and provides outstanding durability

False Alarm Control™ (Item 41216 only) – Quiets unwanted alarms for up to 15 minutes

FIREX® Smoke Alarm

Description

The Firex 120V AC ionization smoke alarms have an 85 decibel horn, test switch and a lighted power/alarm LED indicator; the LED flashes once per minute to confirm AC power. When in alarm, the LED flashes rapidly once per second. When interconnected with other Firex smoke alarms, the unit that initiates an alarm will display the rapidly flashing LED while the other interconnected alarm LEDs remain extinguished. The 41216 includes a False Alarm Control™ feature which allows the user to quiet an unwanted alarm for up to 15 minutes.

These units mount 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. Firex AC smoke alarms are for single or multiple station use and interconnect with other Firex smoke alarms (see Technical Specifications on the back side for interconnect quantities and compatibility). This Firex unit should be placed in single-family households or in each individual living unit of multiple-family buildings.

Why Install a Firex AC Ionization Smoke Alarm?

Firex AC ionization smoke alarms provide contractors and homeowners with the reliable and trouble-free performance they expect from Firex...the market leader in fire safety products. They meet building code requirements where AC smoke alarms with interconnect capability are required and provide maximum flexibility. With installer-focused innovations such as "Quick Connect", gasketless mounting as well as state-of-the-art production testing equipment, Firex AC ionization smoke alarms have earned their reputation as the most preferred smoke alarms among contractors.



An ISO 9002 Certified Company



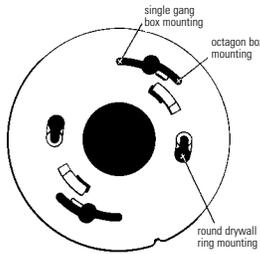
5 Year
Limited
Warranty

AC Ionization

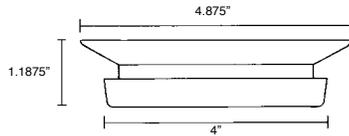
**120V AC
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FIREX[®] Smoke Alarm

Mounting Bracket



Side View



Architectural Specifications

The smoke alarm shall be a Styleline design™ (1-3/16" high, 4-7/8" wide), powered by a 120 VAC, 60 Hz source with a dual chamber ionization sensor. The alarm shall be rated at no greater than 0.5W (0.9W for the 428) in standby. Nominal sensitivity shall be measured by U.L. at obs. $1.1 \pm 0.47\%/ft.$ and by U.L.C. at 1.1%. Temperature operating range shall be between 40° and 100°F (4°–38°C); humidity range between 10%-93% relative humidity; 100% solid state alarm circuits over an input range of 100-130 VAC. A power-on indicator shall be a built-in light emitting diode which "blinks" once per minute in the standby condition. The test switch shall electronically activate the chamber to simulate smoke and check for proper operation. The electronic 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, "quick connect" molded harness, separate mounting bracket. The False Alarm Control™ feature on the 41216 shall desensitize the alarm for 15 minutes. The red LED shall blink once every 10 seconds when in False Alarm Control™ and the alarm shall produce two short chirps 2 seconds apart at the conclusion of the desensitized period. See Technical Specifications for interconnectable quantities. The alarm shall have an Interconnect Protection Feature that prevents "blown" circuitry in the initiating alarm if the number of interconnected alarms is greater than the maximum limit. The 406, 428 and 41216 shall meet the requirements of U.L. Standard 217 and the 406C, 418C, 428C shall meet the requirements of U.L.C. Standard S531.

Technical Specifications

Same colored item numbers can be interconnected.

ITEMS	406, 428, 41216 406C, 418C & 428C
MODEL	G (GC for Item 41216), (FXW-R for item 428)
PRODUCT WEIGHT	5.5 ounces
OPERATING TEMPERATURE	40° to 100°F 4° to 38°C
INTERCONNECT QTY	406/406C–6 418C–18 428/428C–12* 41216–12
ELECTRICAL RATING	120V AC, 60HZ, 50mA max
ALARM POINT	obs. $1.01 \pm 0.37\%/ft.$
HORN OUTPUT	85 decibels at 10 feet
LISTING	UL 217 and ULC S531
DETECTION TYPE	Dual Ionization Chamber
HUMIDITY RANGE	10% to 93% Relative Humidity

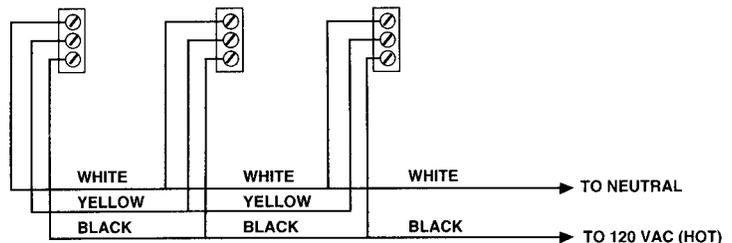
*Item 428 is a direct replacement for model FX 1014 single station and can replace and be interconnected with models FX 1020, FX 1106, and FXW-1A.

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 to a single AC branch circuit. If local codes do not permit, be sure the neutral wire is common to both phases.



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Shipping Specifications

	406, 406C, 418C	428, 428C	41216
Ind. Ctn. Dim.	5-1/8" x 5-1/8" x 1-1/2" 13cm x 13cm x 3.8cm	5-1/8" x 5-1/8" x 1-1/2" 13cm x 13cm x 3.8cm	5-1/8" x 5-1/8" x 1-1/2" 13cm x 13cm x 3.8cm
Master Ctn. Qty.	24	12	24
Master Ctn. Dim.	19-3/4"L x 10-3/4"W x 5-1/2"H 50.2cm x 27.3cm x 14cm	10-3/4"L x 10-1/2"W x 5-3/4"H 27.3cm x 26.7cm x 14.6cm	16-3/8"L x 14-3/8"W x 6-1/8"H 41.6cm x 36.5cm x 15.6cm
Master Ctn. Wt.	8.4 lbs / 3.8 kg	4.4 lbs / 2 kg	9.3 lbs / 4.2kg