



120V AC
Direct Wire
with Battery
Back-up


120V AC
Direct Wire


9V DC
Battery
Powered

FIREX[®]

Smoke Alarm

Photoelectric

Items 4480, 484(C), 480(C)

Canadian Model Availability Denoted by (C)

Features and Benefits

Advanced photoelectric design — Fast detection of slow, smoldering fires.

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

Interconnects with Firex ionization and photoelectric smoke alarms — Compatible with other contractor preferred Firex products (except item 480)

Interconnects with Firex heat alarm — Item 4480 interconnects with the Firex heat alarm for a complete smoke and fire detection system

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

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

Factory sealed housing — Prevents tampering and provides outstanding durability.

Description

The Firex 480, 484, and 4480 are photoelectric smoke alarms. These units have an 85 decibel horn, test switch, and lighted power/alarm LED indicators. The 4480 and 484 AC smoke alarms can be interconnected with Firex ionization as well as photoelectric smoke alarms for the best smoke detection system.

4480 120V AC Direct Wire with Battery Back-up for single or multiple station use. The 4480 is interconnectable up to 12 Firex AC/DC smoke alarms and 6 Firex heat alarms for a total of not more than 18 Firex devices. This unit has two separate lighted LEDs — green “power-on” LED confirms constant AC power and the red LED displays alarm/battery status.

484 120V AC Direct Wire for single or multiple station use. The 484 is interconnectable up to 12 Firex AC smoke alarms. A green lighted LED “blinks” once per minute to confirm constant AC power and once per second when in alarm.

480 9V DC Battery Powered with a green lighted LED that “blinks” once per minute to confirm DC power and once per second in alarm. Includes a 30 day low battery indicator and tamper resistant locking device.

These Firex smoke alarms 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.

Why Install a Firex Photoelectric Smoke Alarm?

Firex photoelectric smoke alarms respond to slow burning, visible smoke caused by smoldering fires. Designed for use in kitchens and furnace rooms, they reduce nuisance alarms caused by cooking fumes or high humidity. With installer focused innovations such as gasketless mounting, separate mounting bracket as well as state-of-the-art production testing equipment, Firex photoelectric smoke alarms have earned their reputation as the most preferred smoke alarms among contractors.



An ISO 9002 Certified Company



5 Year
Limited
Warranty

Photoelectric



Technical Specifications

Item	4480	484(C)	480(C)
Model	PAD	PG	PB
Product Weight	8 ounces	5.5 ounces	4.2 ounces
Operating Temperature	40°–100°F 4°–38°C		
Electrical Rating	120V AC, 60HZ, 50mA max, 9 Volt Battery Backup	120V AC, 60HZ, 50mA	9 Volt DC Battery Powered
Alarm Point (Canadian)	obs. 2.3 ± .95%/ft.	obs. 2.2 ± 1.2%/ft. (obs. 2.2 ± .75%/ft.)	obs. 2.2 ± 1.2%/ft. (obs. 2.2 ± .75%/ft.)
Horn Output	85 decibels at 10 feet		
Listing	UL 217 and ULC S531		
Detection Type	Photoelectric Chamber		
Humidity Rating	10%-93%		

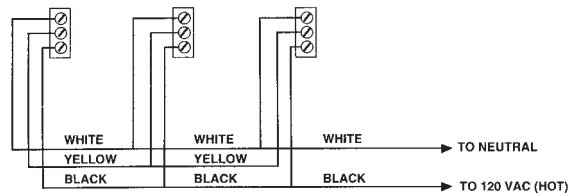
Interconnect Quantities

4480				
Item (Model)	4480 (PAD)	4418 (AD)	4518 (ADC)	5700* (ADH)
Quantity	≤12	≤12	≤12	≤12
484				
Item (Model)	484 (PG)	406 (G)	41216 (GC)	
Quantity	≤12	≤6	≤12	
484(C)				
Item (Model)	484(C) (PG)	406(C) (G)	418(C) (G)	
Quantity	≤12	≤6	≤12	

*Heat alarm item. Interconnectable up to 12 Firex AC/DC smoke alarms and 6 Firex heat alarms.

Installation of Smoke Alarm

This smoke alarm should be installed in accordance with NFPA's Standard 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269) and any local codes that apply. For the AC and AC/DC direct wire smoke alarms 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 and heat alarms to a single AC branch circuit. If local codes do not permit, be sure the neutral wire is common to both phases.



Architectural Specifications

The 4480 shall be 1-3/8" high and 5" wide, powered by a 120V AC, 60Hz source with a 9 volt battery back-up. Nominal sensitivity shall be measured by U.L. at obs. 2.3 ± .95%/ft. A green continuous power on indicator shall be a built-in light emitting diode (LED) in the standby condition; 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 alarms remain extinguished. A 70 day low battery signal shall be included.

The 484(C) shall be 1-3/16" high and 4-7/8" wide powered by a 120V AC, 60Hz source. Nominal sensitivity shall be measured by U.L. at obs. 2.2 ± 1.2%/ft. and by U.L.C. at obs. 2.2 ± .75%/ft. A power-on indicator shall be a built-in LED which blinks once per minute in the standby condition; when activated, the initiating alarm LED shall flash while the interconnected alarms remain extinguished.

The 4480 and the 484(C) shall be rated at no more than 0.5W in standby and have 100% solid state alarm circuits over an input range of 100-130V AC. 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 Quick Connect molded harness and pigtail wiring.

The 480(C) shall be 1" high and 4" wide powered by a 9V DC battery source. Nominal sensitivity shall be measured by U.L. at obs. 2.2 ± 1.2%/ft. and by U.L.C. at obs. 2.2 ± .75%/ft. 100% solid state alarm circuits over an input range of 6.8-10V DC. A power-on indicator shall be a built-in LED which blinks once per minute in the standby condition and a 30 day low battery signal shall be included.

All Firex photoelectric smoke alarms shall be a Styleline design™ and have a photoelectric sensor. Operating temperature range shall be between 40° and 100°F (4°–38°C) and relative humidity range between 10%-93%. The test switch shall electronically activate the chamber to simulate smoke and check for proper operation. The electric horn shall have a level of 85 decibels at

10 feet and all units have a separate mounting bracket. Items 4480, 484, 480 shall meet the requirements of U.L. 217 and items 484(C) and 480(C) shall meet the requirements of U.L.C. S531.

Shipping Specifications

	4480	484, 484(C)	480, 480(C)
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	4-1/8" x 4-1/8" x 1-1/2" 10.5cm x 10.5cm x 3.8cm
Master Ctn. Qty.	12	12	12
Master Ctn. Dim.	10-3/4" x 10-1/2" x 5-3/4" 27.3cm x 26.7cm x 14.6cm	10-3/4" x 10-1/2" x 5-3/4" 27.3cm x 26.7cm x 14.6cm	9-3/8" x 8-3/4" x 4-7/8" 23.8cm x 22.2cm x 12.4cm
Master Ctn. Wt.	6.4 lbs / 2.9kg	4.5 lbs / 2kg	3.5 lbs / 1.6kg
Pallet Quantity	864	864	2160
Pallet Dim.	40"L x 48"W x 40.5"D 102cm x 122cm x 103cm	40"L x 48"W x 40.5"D 102cm x 122cm x 103cm	48"L x 40"W x 48.3"D 122cm x 102cm x 103cm

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