FIREX®
Smoke Alarm

Item 242(C)

Hearing Impaired Kit

Features and Benefits

Meet the growing demand for smoke alarms for the hearing impaired with this kit from Firex®.

Exceeds UL Standard 1971 "Signaling Devices for the Hearing Impaired" and ADA (American Disabilities Act) "Standard for Visual Alarms".

Allows for the remote placement of strobe light for maximum effectiveness.

Each kit contains all of the components necessary to install a smoke alarm/signaling device ideally suited to the needs of the hearing impaired.

Description

The 242 Hearing Impaired Kit features a 41216 120V AC Smoke Alarm, 499 Firex® Relay Module, GXS-120-177 strobe light (177 candela), and a wiring instruction sheet. The 41216 Smoke Alarm has 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 (41216 Smoke Alarm) flashes rapidly once per second. The GXS strobe light utilizes a Xenon flash tube which generates a high-intensity light, visible from all sides of the lens. The GXS Remote Strobe is intended to provide a visible notification signal for the purpose of life safety and property protection.

The 41216 Smoke Alarm mounts to any single or 4" octagon junction box or square-to-round drywall ring and has 8" long pigtails with a Quick Connect harness for easy connection. The 242 Hearing Impaired Kit is ideal for hotels, apartments, hospitals, rest homes or whenever visible alarms are required.

Why Install a Firex AC Ionization Smoke Alarm?

Firex Hearing Impaired Kits provide contractors and specialized application users with the reliable and trouble free performance they expect from Firex…the market leader in fire safety products. They meet all local and national building code requirements including, but not limited to UL 1971, Signaling Appliances for the hearing Impaired (15/75 and 30/75 cd models are additionally listed in compliance with UL 1638). 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.

Strobe Light

Smoke Alarm

Relay
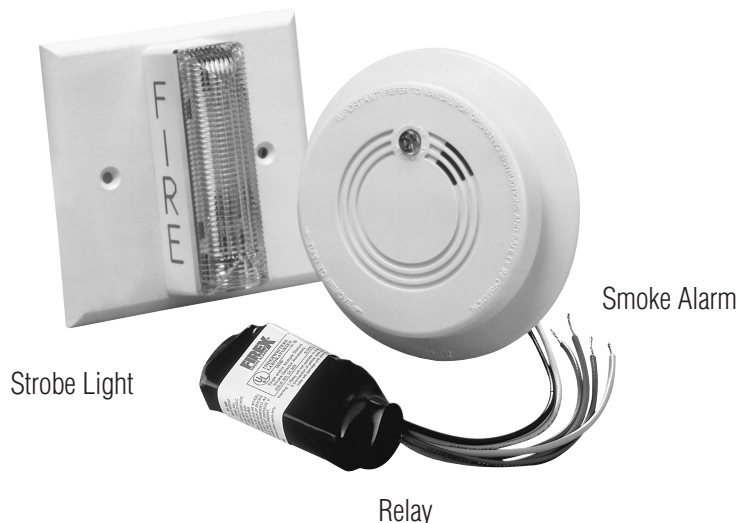
An ISO 9002 Certified Company

5 Year Limited Warranty

**120V AC
Direct Wire
Ionization**

Item 242

FIREX®
Smoke Alarm

Mounting Bracket

single gang
box mounting

octagon box
mounting

round drywall
ring mounting

Side View

4.875"

1.1875"

4"
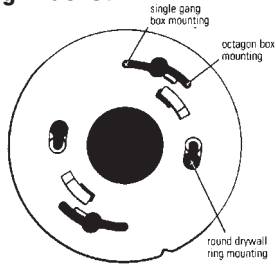
Strobe Dimensions

4.5"

4.5"

FIRE

4.5"

2.375"
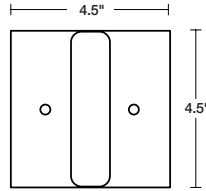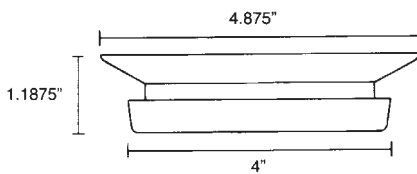
Line Art
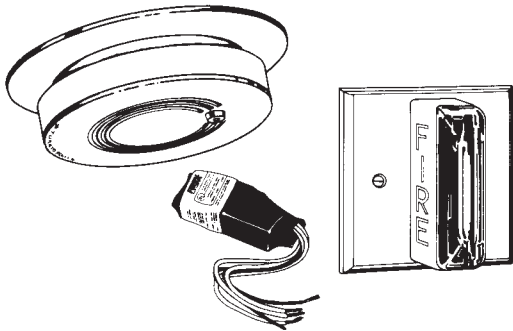
Technical Specifications for Smoke Alarm

ITEM No.	KIT 242	SMOKE 41216	RELAY 499	STROBE GXS
PRODUCT WEIGHT	1.3 lbs.			
OPERATING TEMPERATURE	40° to 100°F 4° to 38°C			
INTERCONNECT QTY	12			
ELECTRICAL RATING	120V AC, 60HZ, 50mA max			
ALARM POINT	obs. 1.1 ± 0.47%/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			
KIT DIMENSIONS	5-1/8" x 5-1/8" x 1-1/2" 13cm x 13cm x 3.8cm			

Installation of Smoke Alarm Kit

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.