Kidde
United Technologies

Worry-Free
Ten Year Sealed Battery Smoke Alarms

120V AC Wire-in Smoke Alarm

10-Year Sealed Lithium Battery Backup, Photoelectric Sensor

Model P4010ACS



- Photoelectric Sensing Technology
- 10-Year Sealed Lithium Battery Backup
- Voice Messaging System
- Ambient Light Sensor
- Smart Hush® Control
- Flashing LED Status Ring allows easy identification of current state of alarm



Green: Device is Working

Amber: Error

Red: Danger Detected

Description

The Kidde P4010ACS is an AC/DC powered, photoelectric smoke alarm that contains a 10-year, sealed battery backup and voice messaging system. The voice warning feature accompanies the 85dB tone during an alarm event, and helps reduce confusion with verbal announcements such as "Replace alarm" at end of alarm life, and "Hush mode activated" when a nuisance alarm is silenced.

Kidde P4010 Series Alarms contain 10-year tamper proof batteries that eliminate the need for battery replacement, and ends worry over unauthorized removal. Users are further shielded from late night battery chirps by the unit's Ambient Light Sensing feature, which establishes a day/night cycle and prevents alarm chirping in dark conditions.

Install Confidence:

- **Voice Notification:** Unit verbally announces "Fire!" and other alerts such as "Replace Alarm," which helps the user better understand current status of the unit.
- **Easy to Install:** Backup battery automatically activates when the unit is attached to the mounting bracket
- **Photoelectric Sensor:** Smoke alarm contains advanced photoelectric sensor that may detect visible particles (associated with smoldering fires) sooner than ionization alarms.
- **Ambient Light Sensing:** Establishes Day/Night cycle and delays chirping during the night until the next Day cycle begins.
- **Test / Hush® Button:** Tests alarm circuitry and activates Hush® feature to temporarily silence nuisance alarms for up to 10 minutes. End of Unit Life chirps can also be silenced.
- **End of Unit Life Warning:** Alerts user the alarm is in need of replacement.
- **10-Year Limited Warranty**

10 YEAR LIMITED WARRANTY

SIGNALING UL LISTED

See user guide for additional important information.

120V AC Wire-In Smoke Alarm **Model P4010ACS**

10-Year Sealed Lithium Battery Backup, Photoelectric Sensor

Architectural and Engineering Specifications

The smoke alarm model shall be P4010ACS or approved equal and is powered by a 120VAC, 60Hz source along with lithium battery backup. The lithium batteries shall be sealed in the unit to prevent removal and/or tampering. The unit shall incorporate a photoelectric sensor. The temperature operating range shall be between 40°and 100°F (4°C and 38°C) and the humidity operating range shall be up to 95% relative humidity, non-condensing.

The smoke alarm can be installed on any standard single gang electrical box, up to a 4"octagon junction box, following the UL/Manufacturer's approved placement guidelines.The electrical connection (to the alarm) shall be made with a plug-in connector. The alarm shall incorporate an activation switch that will activate the backup battery when the unit attaches to the mounting bracket.

The P4010ACS shall include a test button that will simulate a fire condition and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation. A maximum of 24 Kidde devices can be interconnected in a multiple station arrangement. The interconnect system must not exceed the NFPA (National Fire Protection Association) limit of 18 initiating devices, of which 12 can be smoke alarms.

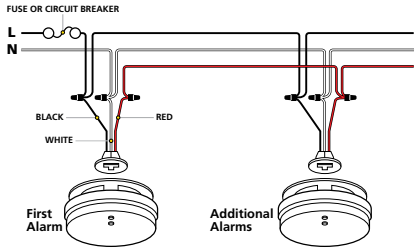
The unit shall have audible methods for warning of smoke or fire danger: a piezoelectric horn, rated at 85 decibels at 10 feet, and a voice warning. In alarm, the horn will sound in the repetitive manner – three long beeps, a 1.5 second pause, three long beeps, repeating. In between, the unit will announce a voice warning, "Fire!" The red LED ring will flash in conjunction with the alarm sound.

The smoke alarm shall include an End of Unit Life Alert, where ten years after initial power-up the unit shall chirp two times every 30 seconds to indicate the alarm needs to be replaced. The End of Unit Life signal can be silenced for increments of 24 hours up to a maximum of 7 days. The Ambient Light Sensing feature will establish a day/night cycle to prevent End of Unit Life or Low Battery warnings during dark conditions. The unit shall have a deactivation switch to disable it and make it safe for disposal.

The unit shall at a minimum meet the requirements of UL217, NFPA 72, The State of California Fire Marshall, NFPA101 (One and two family dwellings), Federal Housing Authority (FHA), Housing and Urban Development (HUD). The alarm shall be UL Listed and shall include a 10-year manufacturer's limited warranty.

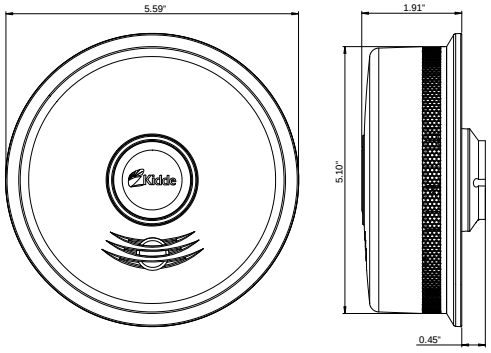
Installation of Smoke Alarm

The smoke alarm should be installed to comply with all local codes having jurisdiction in your area, Article 760 of the National Electric Code, and NFPA 72. Make certain all alarms are wired to a single, continuous (non-switched) power line, which is not protected by a ground fault interrupter. A maximum of 1000 ft. of wire can be used in the interconnect system. Use standard UL listed household wire as required by code.



Technical Specifications

Model:	P4010ACS
Power Source:	120VAC (60 Hz, 53mA Max)
Sensor:	Photoelectric
Audio Alarm:	85dB at 10ft
Temperature Range:	40˚F (4.4˚C) to 100˚F (37.8˚C)
Humidity Range:	Up to 95% relative humidity (RH), non-condensing
Size:	5.59" in diameter x 1.91" depth
Weight:	.6 lb
Interconnects:	Up to 24 Kidde devices
Warranty:	10 year limited



This alarm uses photoelectric sensing technology. Photoelectric sensing alarms may detect visible fire particles (associated with slow smoldering fires) sooner than ionization alams. Ionization alarms may detect invisible fire particles (associated with fast flaming fires) sooner than photoelectric alarms. Leading authorities recommend that both ionization and photoelectric smoke alarms be installed to help ensure maximum detection of the various types of fires than can occur within the home.

Ordering Information

Not for sale by individual unit

Ordering Number	UPC	I2F5	Pack Config.	Pack Quantity	Dimensions (w x d x h inches)	Weight	Cartons/ Pallet
21027537	0-47871-27537-3	100-47871-27537-0	Single	4	6.0 x 11.0 x 7.0	5	576

Distributed by:

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