

# Dual Sensor, 120V AC with Battery Backup Smoke Alarm

Model PI2010 (Replaces Model PI2000)

## Dual Sensor

Contains both a photoelectric and ionization sensor providing dual sensor protection in your home.

## Hush® Feature

Temporarily silences nuisance alarms.

## Battery Backup

Provides protection even during a power outage.

## Red LED

Flashes every 30-40 seconds to indicate that the smoke alarm is operating properly.

## Test/Reset Button

Tests unit's electronic circuitry and horn.



## Description

The Kidde PI2010 is a 120VAC, wire-in smoke alarm with 9V battery backup. This smoke alarm functions as a stand alone unit or in an interconnected system. The Kidde PI2010 features Hush®, allowing you to quickly silence nuisance alarms and also includes a tamper resist features that deters tampering and theft. The PI2010 includes a quick connect power harness that allows for quick and easy installation.

This smoke alarm combines both photoelectric and ionization sensors. Ionization sensing alarms may detect invisible fire particles (associated with flaming fires) sooner than photoelectric alarms. Photoelectric sensing alarms may detect visible particles (associated with smoldering fires) sooner than ionization alarms.

*Kidde strongly recommends that both ionization and photoelectric smoke alarms be installed to help insure maximum detection of the various types of fire that can occur within the home.*

The Kidde PI2010, 120VAC, wire-in smoke alarm with 9V battery back up provides continuous protection against smoke and fire hazards, even during power outages. The combination of ionization and photoelectric sensors offer the best protection against both fast flaming and slow smoldering fires. The Kidde PI2010 interconnects with up to 24 Kidde devices of which 18 can be initiating. This unit also includes flashing LEDs to signal the alarm is functioning properly, a low battery warning and a loud 85dB alarm. The Kidde PI2010 is UL Listed and includes a 10-year limited warranty.

## Features and Benefits

- **Ionization Sensor** – may detect invisible fire particles (associated with flaming fires) sooner than photoelectric alarms.
- **Photoelectric Sensor** – may detect visible particles (associated with smoldering fires) sooner than ionization alarms.
- **Interconnect** – Interconnects with up to 24 Kidde devices on one wiring network of which 18 can be initiating.
- **Battery Backup (9V battery included)** – Provides continuous protection even during power outages.
- **Tamper Resistant** – Deters from tampering or theft.
- **Hush® Feature** – Temporarily silences nuisance alarms.
- **Red LED** – Flashes every 30-40 seconds to indicate that the smoke alarm is operating properly.
- **Test/Reset Button** – Tests smoke alarm circuitry and horn.



## Architectural and Engineering Specifications

The smoke alarm shall be Kidde Unit PI2010 or approved equal. It shall be powered by a 120VAC, 60Hz, 80mA source along with a 9V battery backup. The unit shall incorporate both an ionization smoke sensor and a photoelectric smoke sensor with a nominal alarm sensitivity of 0.72-3.45%/ft. The temperature operating range shall be between 40°F and 100°F (4°C and 38°C) and the humidity operating range shall be up to 85% relative humidity.

The smoke alarm can be installed on any standard single gang electrical box, up to a 4" octagon junction box. The electrical connection (to the alarm) shall be made with a plug-in connector. 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 initiation devices, of which 12 can be smoke alarms. With 18 initiation devices (smoke, heat, CO, etc.) interconnected, it is still possible to interconnect 6 strobe lights and or relay modules. The unit shall provide optional tamper resistance that deters removal of the unit from the wall or ceiling.

The alarm shall include a test button that will electronically simulate the presence of smoke and cause the unit to go into alarm. This sequence tests the unit's electronics, battery and horn to ensure proper operation.

The unit shall include a piezoelectric horn that is rated at 85 decibels at 10 feet. In a smoke incident, the horn will sound in the repetitive manner – three (3) beeps, a pause, three (3) beeps, a pause.

The unit shall include the Hush® feature that silences the unit. By pressing the Hush™ button, it will desensitize the unit for approximately 10 minutes if a nuisance condition occurs. The red LED will flash every 10 seconds during this time and will automatically reset after approximately 10 minutes and sound the alarm if particles of combustion are still present. The Hush® feature shall be overridden and the unit will alarm if the smoke is too dense.

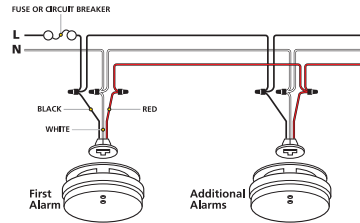
The unit shall also include a low battery warning utilizing a brief alarm chirp every 30-40 seconds for a minimum of seven (7) days. The alarm will utilize a red LED that shall flash once every 30-40 seconds to indicate the alarm is receiving power.

The unit shall at a minimum meet the requirements of UL217, NFPA72, (chapter 11, 2002 edition) The State of California Fire Marshall, NFPA101 (One and two family dwellings) Federal Housing Authority (FHA), Housing and Urban Development (HUD). It shall also include a 10-year manufacturer's limited warranty.

## Installation of Smoke Alarm

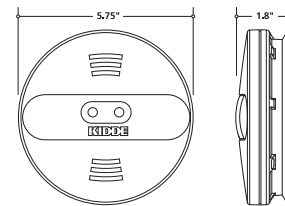
The smoke alarm should be installed to comply with all local codes having jurisdiction in your area, Article 760 of the National Electric Code, and NFPA 72.

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 (18 gauge or larger as required by local codes).



## Technical Specifications

|                    |   |
|--------------------|---|
| Model:             | PI2010  |
| UPC Number:        | 0-47871-07915-5   |
| Power Source:      | 120VAC with 9V battery backup                             |
| Sensor:            | Dual Ionization and Photoelectric                         |
| Audio Alarm:       | 85dB at 10ft  |
| Temperature Range: | 40°F (4.4°C) to 100°F (37.8°C)                            |
| Humidity Range:    | up to 85% relative humidity (RH)                          |
| Size:              | 5.75" in diameter x 1.8" depth                            |
| Weight:            | .4 lb   |
| Interconnects:     | Up to 24 Kidde devices<br>(of which 18 can be initiating) |
| LED:               | Red, normal operation<br>Green - AC power present         |
| Warranty:          | 10 year limited   |



## Ordering Information

Individual UPC: 0-47871-07915-5 \*not for sale by individual unit

| Ordering Number | I 2 of 5          | Pack Quantity                 | Dimensions (w x d x h inches) | Weight | Cases/Skid | Cases/Layer | Layers/Skid | Skid Weight | Units/Skid |
|-----------------|-------------------|-------------------------------|-------------------------------|--------|------------|-------------|-------------|-------------|------------|
| n/a             | n/a               | individual*                   | 5.75 x 2 x 5.75               | .5lb   | n/a        | n/a         | n/a         | n/a         | n/a        |
| 21007915        | 100 47871 07915 2 | Cut Case (6 gift-boxed units) | 6.5 x 13.6 x 6.25             | 4.8lbs | 126        | 21          | 6           | 605lbs.     | 756        |



1016 Corporate Park Drive  
Mebane NC 27302  
1-800-880-6788  
www.Kidde.com

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