

# 2012B Direct-Wire Smoke Detector with Built-in Relay and Horn



A Division of Pittway  
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<http://www.systemsensor.com>



## Models Available

### 2012B Photoelectronic Detector

## Features

- 12 VDC operation
- Built-in 85dB electronic horn
- Built-in relay can be connected to lights, bells, horns, remote annunciator, or control panel
- Interconnectable up to 12 units
- Visual alarm and power indicator
- Ceiling white color
- Built-in 8 second delay on relay output
- Built-in test switch
- Twist-on mounting bracket with tamper option for easy installation
- Improved chamber design for greater stability
- 3-year warranty

**Compact, attractive,** and easy to install, System Sensor 2012B detectors are designed to respond to a broad range of fires while providing maximum stability. These detectors are designed primarily for applications where low-voltage wiring may be used.

## Specifications

Size:	1.75" h x 5.5" dia. (44.5 mm h x 140 mm dia.)	Humidity Range:	10% to 93% RH, noncondensing
Weight:	5.3 oz. (150 grams)	Spacing:	Contingent upon local fire codes and Australian Standards

## Electrical Ratings

Operating Voltage:	12 VDC (nominal)
Relay Contact Rating:	1 Form A, .5 A @ 30 VDC
Standby Current:	50 $\mu$ A maximum average
Alarm Current:	20 mA maximum average @ 12 VDC
Temperature Range:	32° to 120° F (0° to 50° C)



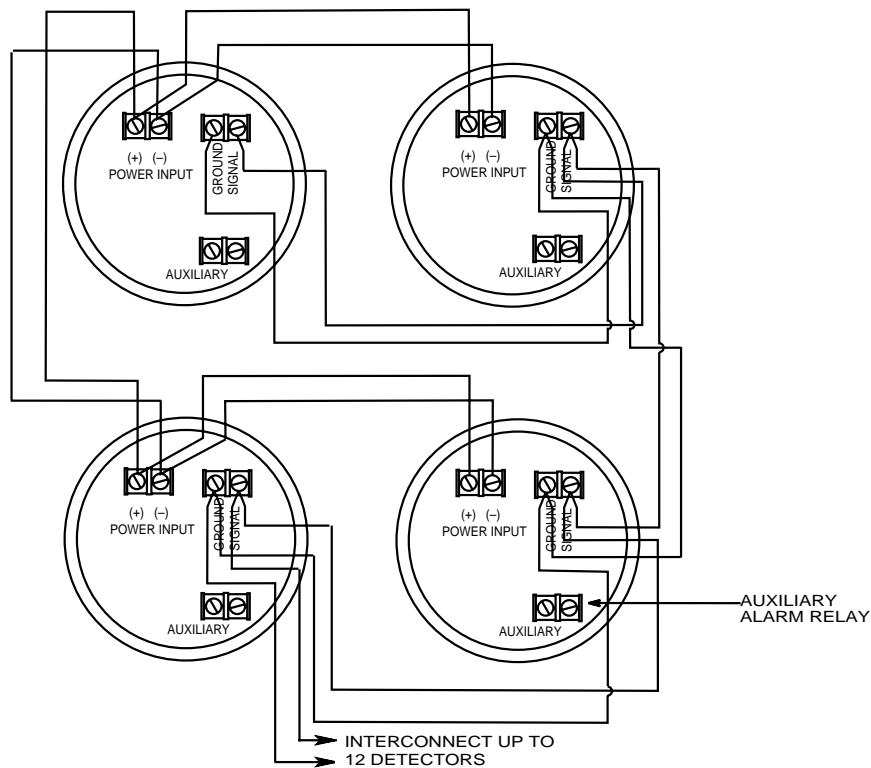
**AS 3786-1993**

## Distributed by:

## General Description

System Sensor 2012B photoelectric detectors are self-resetting and offer an 85dB alarm horn. An external push button provides a test of the detectors' alarm function. Up to 12 units can be interconnected so that if one detector alarms, all detectors alarm. A normally open auxiliary alarm relay is available for controlling external functions.

A visible LED indicator flashes once every 40 seconds in standby and rapidly in alarm when detecting smoke. The detectors offer low-voltage operation and a tamper-proof feature. Screw terminals and a mounting bracket are provided for easy installation.



**2012B Wiring Diagram**

## Ordering Information

Part No.	Description
2012B	Photoelectric smoke detector with relay, 12 VDC, multiple station, UL listed AS 3786-1993

## System Sensor Worldwide Distribution

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