



## 2012 Series Conventional Photoelectric Smoke-Alarm

### Product Overview:

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These integrated smoke detector alarms are designed for small projects. They operate from an external 12 or 24 volt power supply. Up to 24 units may be interconnected for system-wide protection.

The **2012/24AUS** has a Temp-3 Sounder and 9 Volt backup battery. It is designed for open area protection in a residential building.

The **2012J** has a Steady Tone Sounder. It is designed for open area protection for both residential and commercial applications.

A piezoelectric horn in **2012/24AUS** smoke-alarm produces an audible 85 dBA temporal tone evacuation signal (in **2012J** smoke-alarm produces an audible 85 dBA steady tone) when a unit alarms or an interconnected one alarms. Both of temporal tone and steady tone evacuation signals comply with AS 3786.

When interconnected in a system, the Smoke-Alarm Detectors can be wired in either of two modes

- All Smoke-Alarm Detectors sound if any single unit detects smoke
- Only units that have detected smoke sound their alarms

Each Smoke-Alarm Detector has a built-in relay which may be used to activate auxiliary devices such as bells, horns and door closers. The relay contacts automatically close 8 seconds after the unit goes into alarm, and automatically resets approximately 5 seconds after the alarm stops.



**2012/24AUS & 2012J**  
**Photoelectric Smoke-Alarm Detector**

### Features:

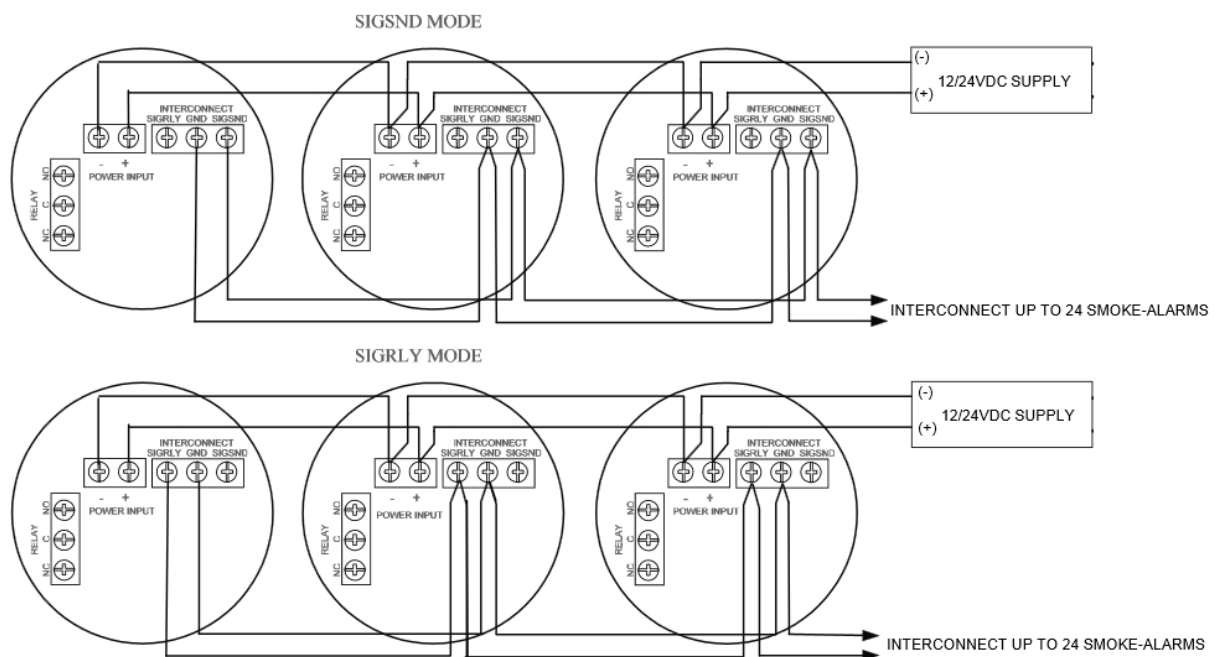
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- » **2012/24AUS:** 9V battery backup
- » **2012J:** 12 - 24 VDC operation
- » HUSH feature
- » Test push button
- » One Form 'C' Relay. Activates on either local alarm or SIGRLY interconnected signal received 8 seconds activating delay on alarm; 5 seconds resetting delay after alarm stops
- » Check for low chamber fault performed when in Standby
- » Audible indication synchronized with LED blinking during silencing period
- » Audible indication asynchronized with LED blinking when in low battery fault
- » Visual and audible indication when chamber test fails
- » Direct Wire

## Specifications:

	2012/24AUS	2012J
» Dimensions	55 x 135 mm (H x Diameter)	55 x 135 mm (H x Diameter)
» Weight	250 g	250 g
» Humidity Range	5 % ~ 93 % RH, Non-condensing	5 % ~ 93 % RH, Non-condensing
» Max. Interconnected Units	24 units	24 units
» Operating Voltage	10 VDC ~ 30VDC	10 VDC ~ 30VDC
» Max. Standby Current	60 µA	60 µA
» Max. Alarm Current	50 mA	65 mA
» Operating Temperature Range	0 °C ~ 50 °C	0 °C ~ 50 °C
» P-Horn Sound Output Level	85 dBA at 3 m	85 dBA at 3 m
» Silence Mode Timeout Period	8 minutes or cancel by pressing Silence/Test button for more than 3 secs	
» Silence Mode indication	Sounder Beeps and LED Flashes Green once every 40 seconds	

## Wiring Diagram:



## Interconnection Modes:

Interconnection Mode	Interconnected Terminals	Electronic Horn	Relay
SIGSND	SIGSND and GND	Sound	Only the smoke alarms in local alarm are activated
SIGRLY	SIGRLY and GND	Sound	All the interconnected smoke alarms are activated

## Ordering Information:

Product Code	Description
2012/24AUS	Domestic Photo Smoke Detector + Sounder, 12/24V C/W Battery AS3786
2012J	Domestic Photo Smoke Detector + Sounder, 12/24V AS3786