

# 8 Spur AA Isolator Board (8SAAIB)

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ISO 9001: 2000

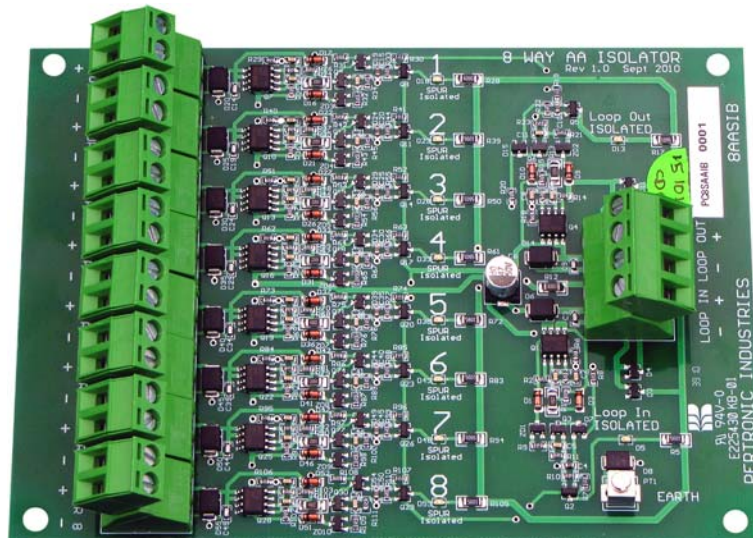
International  
Standards  
Certifications  
QAC/R61/0051

## Product Overview:

The Pertronic 8 Spur AA Isolator Board is designed to simplify the process of conversion from a conventional fire system to a Pertronic analogue addressable one.

The 8SAAIB offers the use of up to 8 spurs off the analogue loop, where conventional detector-style wiring may already be in place, and provides short circuit isolation between each spur.

Each spur should cover no more than a single zone of detection.



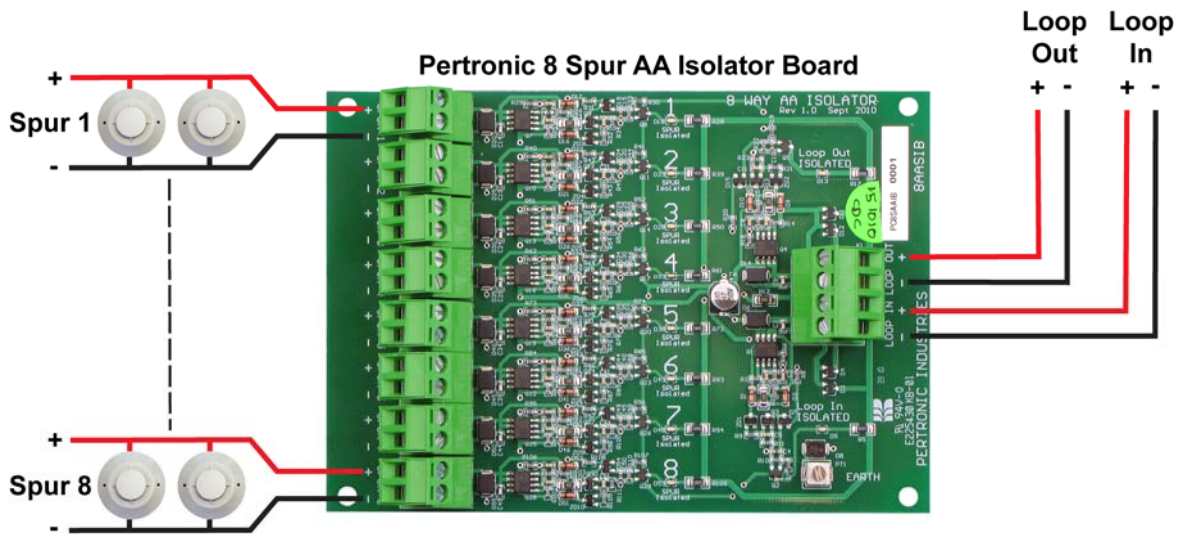
## Features:

- ▶ Allows connection of up to eight “spurs” of analogue addressable detectors and modules into an analogue-addressable loop.
- ▶ Provides short circuit isolation for each spur to protect the remainder of the loop.
- ▶ Provides short circuit isolation either side of the 8SAAIB *loop-in* and *loop-out* connections to protect the entire circuit board from cable faults on the loop.
- ▶ Identifies any spur with a short circuit by illumination of dedicated amber LED indicators.
- ▶ No termination needed for unused outputs
- ▶ Ideal for System upgrades, e.g. from conventional detectors on a loop responder to analogue addressable types
- ▶ Permits easy mounting with a common circuit board footprint

Specification:				
<b>Electrical:</b>	<b>Operating Voltage</b> 0 to 45Vdc	<b>Quiescent Current</b> 1.5mA ± 10%	<b>Isolate Current Per Spur</b> 16.5mA ± 10%	
<b>Environmental:</b>	<b>Operating Temperature Range</b> 0 to 40°C		<b>Humidity</b> 10 to 95% RH (non-condensing)	
<b>Mechanical:</b>	<b>Dimensions (H x W x D mm)</b> 2 x 137.5 x 96.5	<b>Weight</b> 100g	<b>Mounting holes centred at</b> 127.5mm x 89mm	<b>Mounting hole diameter</b> 4mm

- ▶ Isolation threshold: Loop voltage  $\leq 4.8V$
- ▶ Restoration threshold: 7.5V
- ▶ Switch on resistance (loop in to loop out) 0.42 $\Omega$
- ▶ Switch off resistance (loop in to loop out) 2k2 $\Omega$
- ▶ LED Indications: 10 x yellow (1 per isolator)
- ▶ Maximum load: 25 Detectors or Modules per spur

**Connection Diagram:**



**Product Codes:**

Code	Description
8SAAIB	8 Spur Analogue Addressable Isolator Board

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