

8 Spur Analogue Addressable Isolator Board

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Overview:

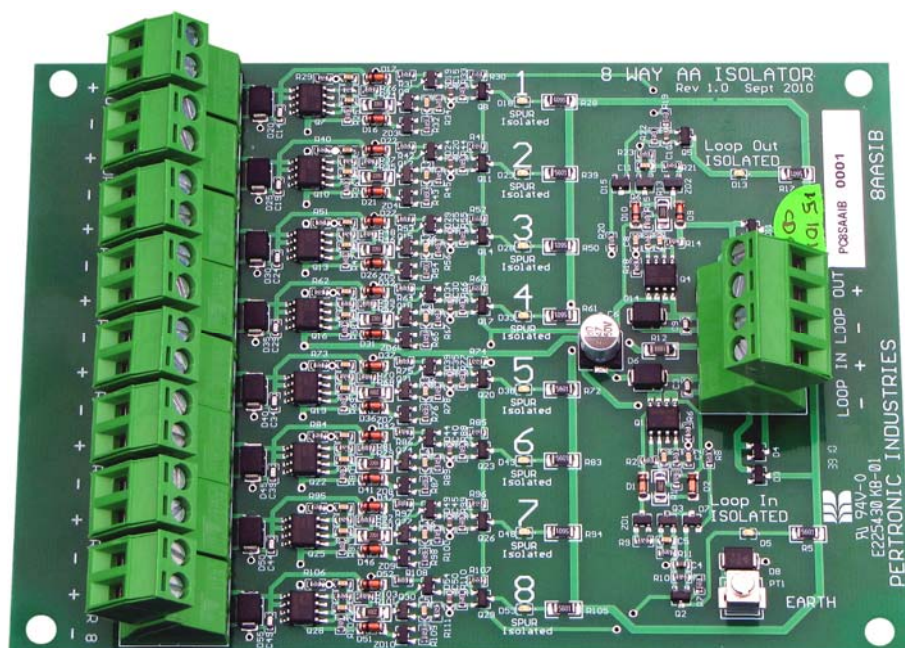
The Pertronic 8 Spur Analogue Addressable Isolator Board is designed to simplify the process of conversion from a conventional fire system to a Pertronic analogue addressable one.

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 spurs
- 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

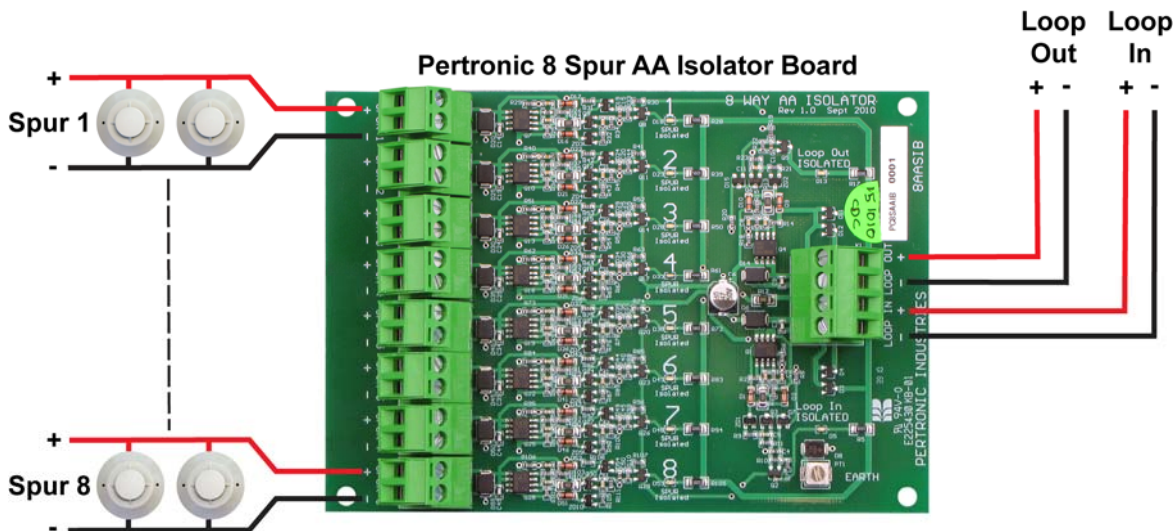


8 Spur Analogue Addressable Isolator Board

Specifications:

PCB Dimensions:	137.5mm x 96.5mm x 2mm(d)
Mounting Holes:	4 x 4mm (127.5 x 89mm)
Weight:	100g
Operating Temperature range:	0°C to 40°C
Operating Humidity range:	0 to 90%RH non-condensing
Voltage range:	0V to 45V (DC)
Quiescent Current at 24VDC:	1.5mA ± 10%
Isolate Current Per Spur:	16.5mA ± 10%
Isolation threshold:	Loop voltage ≤ 4.8V
Restoration threshold:	7.5V
Switch on resistance (loop in to loop out):	0.42Ω
Switch off resistance (loop in to loop out):	2k2Ω
LED Indications	10 x yellow (1 per isolator)
Maximum load	25 Detectors or Modules per spur

Connection Diagram:



Ordering Information:

Description

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Part Number

8SAAIB

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