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Product Overview:

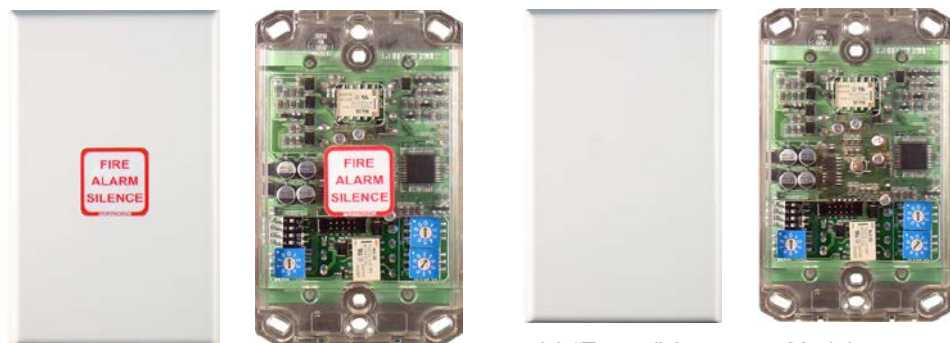
The Pertronic analogue addressable **Apartment Module** reduces the complexity of a 'Type 5' Fire system by combining all of the components required into one compact product.

- ▶ One zone input circuit, capable of supporting:
 - ▶ Up to 15 System Sensor 100 Series or 300 Series Photo-Electric Smoke Detectors, and
 - ▶ A total of 50 Pertronic Indicating Heat Detectors and Pertronic Indicating Manual Call-Points.
- ▶ An addressable monitored relay capable of switching 100 V audio signals
- ▶ An in-built Isolator relay
- ▶ Internal and External Hush Button facility with adjustable Hush Time Delay
- ▶ Local smoke detectors may operate in either conventional or analogue mode

The **Apartment Module** provides a cost effective solution for common installations such as apartment buildings, rest homes, student and backpacker accommodation.

Features:

- ▶ Provides a 'local' alarm for operation of Smoke Detectors and a 'global' alarm for operation of Heat Detectors or Manual Call-Points. Conventional Smoke Detectors can initiate a global alarm provided they are not on the same Apartment Module as Smoke Detectors initiating a local alarm only
- ▶ Compatible with current Pertronic Analogue Fire Control Panels – older panels may require a firmware upgrade: F100A: v 4.54 or greater; F120A: v 3.14 or greater
- ▶ Uses two loop addresses - the first address for the conventional input circuit and the second address controls the monitored Sounder relay output
- ▶ Maximum 45 Apartment Modules per loop*
- ▶ Integrated within a Series 600 PDL flush plate. A range of switch covers is available to suit any décor
- ▶ All controls and indicators are accessible by simply removing the front switch cover. There is no need to detach the Apartment Module from the wall or ceiling for servicing



AA "Type 5" Apartment Module
-with Integrated or Remote Hush Button

AA "Type 5" Apartment Module
- without Integrated Hush Button
- supports Remote Hush Button

Specifications:

Electrical:	Operating Voltage Loop-powered 15 to 32 Vdc,		Quiescent Current 7 mA at 24 Vdc	Alarm Current 18 mA at 24 Vdc
Environmental:	Operating Temperature Range 0 to +40 °C		Humidity 10 to 95% RH (non-condensing)	
Mechanical:	Dimensions (H x W x D mm)	Weight	Material	Colour
- Semi-Flush Mount	117 x 74 x 12	150 gm	ABS Plastic	White

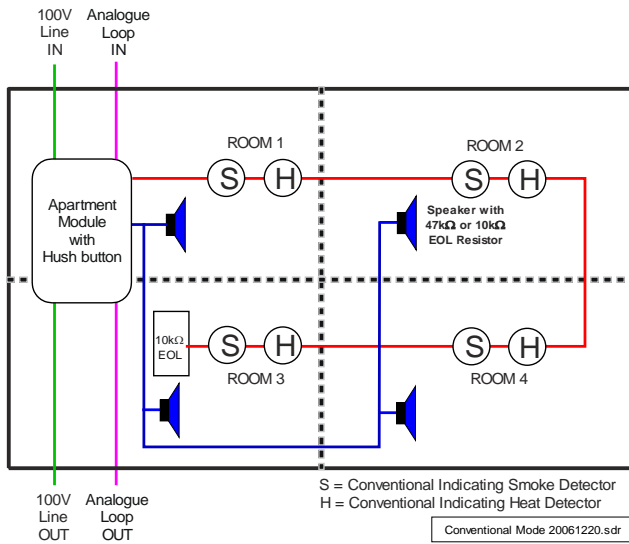
- ▶ **Isolator:** In-built isolator protects the loop from short circuits
- ▶ **Zone Input:**
 - Mode 1:** Conventional (Simulates the operation of a single Loop Responder circuit). Conventional Smoke Detectors, MCPs and Heat detectors may be used
 - Mode 2:** Analogue (simulates the operation of a single analogue input module). Conventional MCPs and Heat detectors may be used with Analogue Smoke Detectors
- ▶ **Line Input/Output:** Connects to the 100 V Audio Line
- ▶ The speaker output is a monitored change-over relay rated 2 A @ 24 Vdc or 0.5 A @ 100 Vrms
- ▶ EOL monitoring requirements: 47 kΩ, 0.25 W or 10 kΩ, 1 W- 1 spur with 47 kΩ EOL or 10 kΩ EOL; 2 spurs each with 22 kΩ EOL; or 3 spurs each with 33 kΩ EOL



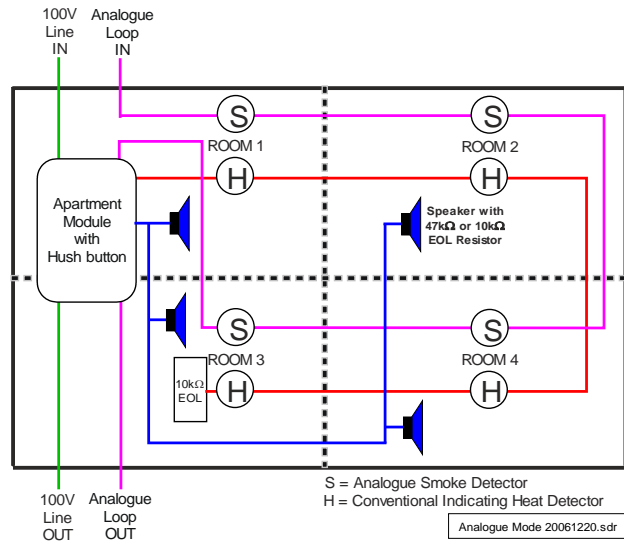
ISO 9001:2008

Certificate No:
205487-2016-
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Smoke Detector Operating Mode:



Conventional Smoke Mode

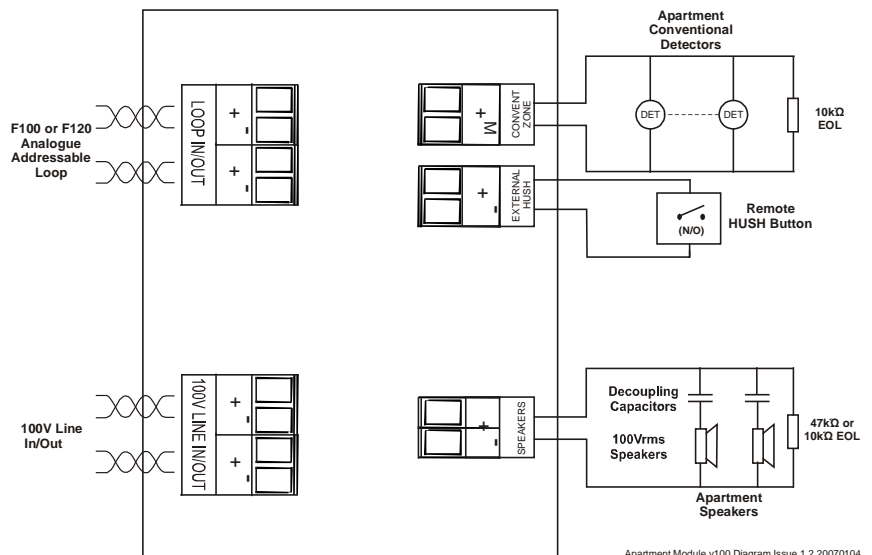


Analogue Smoke Mode

Apartment Module PCB Layout:



Front View



Rear View

Ordering Information:		
Product Code	Description	NZFPA Listing No:
AM-3	AA Type 5 Apartment Module – Non Hush	PI/635
AMH-3	AA Type 5 Apartment Module with Hush Button	PI/636
AMRH	Remote Hush Button	
PSSB401	Pertronic Speaker with B401 Conventional Base	PI/642
PSSB501	Pertronic Speaker with B501 AA Base	PI/643
PSS1-R	Pertronic Sounder Speaker, 1 W Flush - Red	PI/641
PSS1-W	Pertronic Sounder Speaker, 1 W Flush - White	PI/641
PSSB524IEFT	Pertronic Speaker with B524IEFT Isolator Base	

* Detector loading may affect the number of apartment modules per analogue addressable loop. If there are more than 10 detectors per module, check loop current consumption. Refer to Apartment Module Manual.

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