tyco
Fire Protection Products

Fire Detection
Product Catalogue
New Zealand
Issue 2

V*IGIL* Non-Addresable Heat Detector

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V*IGIL* heat detectors are low cost, fast operating fixed temperature devices designed for automatic fire detection in normal risk buildings. They are available in both latching indicating and clean contact versions.

- Unobtrusive low-profile design
- Fast response
- Normally-closed gold-flashed contacts
- Resettable design allows repeated testing
- Environmentally protected versions:

  Normal - no added protection, dry indoor use

  Dipped - enhanced protection, tolerates occasional dampness

  Encapsulated - Heavily protected (IP67)

Specifications

Dimensions (H x dia)	35 x 67 mm
Mounting Holes	2x Ø6 @ 51mm spacing
Material	Polycarbonate
Body Colour	White

Actuation Temperatures

Colour code	Blue:	57°C ± 3°C
	Yellow:	77°C ± 3°C
	White:	107°C ± 3.5°C

Operational Temperatures

V*IGIL*-N, V*IGIL* -D	-25°C to 15°C below actuation
V*IGIL*-E	-20°C to 15°C below actuation
Indi-V*IGIL*	0°C to 65°C (45°C for Blue)
Indi-V*IGIL* encaps.	-20°C to 65°C (45°C for Blue)

FPANZ Listing Numbers:

V*IGIL*-N	VF/201
V*IGIL*-D	VF/202
V*IGIL*-E	VF/203
Indi-V*IGIL*	VF/204
Indi-V*IGIL* encaps.	VF/215
Indicating Module	VF/651

Note: V*IGIL* detectors are unsuitable for heavily corosive, continuously wet, caustic, or physically abrasive environments for which a T54B probe type detector is more suited. (See page 13).

Part Numbers

Indicating detectors

FP0899	Indi-V*IGIL*, Blue (57°C)
FP0900	Indi-V*IGIL*, Yellow (77°C)
FP0910	Indi-V*IGIL*, Encp, Blu (57°C)
FP0911	Indi-V*IGIL*, Encp, Yel (77°C)

Clean contact detectors

FP0717	V*IGIL*-N, Blue (57°C)
FP0718	V*IGIL*-N, Yellow (77°C)
FP0720	V*IGIL*-N, White (107°C)
FP0721	V*IGIL*-D, Dipped, Blu (57°C)
FP0722	V*IGIL*-D, Dipped, Yel (77°C)
FP0723	V*IGIL*-E, Encaps, Blu (57°C)
FP0724	V*IGIL*-E, Encaps, Yel (77°C)

Accessories

FB0111	Mounting Bracket 90°, Galvanised
GASKETHD	Mounting Gasket

The Indi-V*IGIL* range is approved for new installations to NZS 4512:2010 "Fire Detection and Alarm Systems in Buildings". The non-indicating V*IGIL* range is approved to NZS 2139:1967 "Heat Actuated Fire Detectors" (historical).

Indi-V*IGIL* Indicating Module

The Indi-V*IGIL* Indicating Module, when installed in a manual call point or wired to a clean-contact detector, is compatible with VIGILANT fire alarm systems in the same quantities as the indicating manual call point and Indi-V*IGIL* heat detector.

Note: The manual call point or detector must be a clean-contact device not an indicating heat detector or indicating manual call point, because two indicating circuits/modules connected in parallel will not operate reliably.

Specifications

Format	Circuit board
Dimensions (HWD)	40 x 44 x 30 mm
FPANZ Listed	VF/651

Part Number

PA1022

Contact Conversion Module

The VIGILANT PA0443 Contact Conversion Module is designed to allow normally-closed clean contact devices (e.g. manual callpoints) to be connected onto legacy (pre-NZS4512:2003) smoke detector circuits. The module converts the normally-closed hard contact to a normally-open transistor clamp (clamps to about 1 volt when the contacts open) across the detection circuit. For new (NZS4512:2010) installations, use PA1022.

Specifications

Format	Potted circuit module
Cable Tail Length	250 mm
Dimensions (HWD)	60 x 22 x 17 mm
Weight	24g
FPANZ Listed	VF/618

Part Number

PA0443

Non-Addressable Manual Call Points

1841 Manual Call Points

The 1841 manual call point is a break-glass switch designed to meet the requirements for manual call points in fire alarm systems as specified in NZS 4512 "Fire Detection and Alarm Systems in Buildings". The switch may also be used in other applications requiring the security of break glass operation. They are available in both latching indicating and clean contact versions.

- Attractive and functional
- Large, easy to operate switch
- Surface and flush mounting options
- Normally-closed gold-flashed switch contacts
- White version also available

Specifications

Switch rating	5A at 28Vdc
Dimensions (HWD)	
Surface	130 x 130 x 67 mm
Flush	130 x 130 x 13 mm
Cable entry (surface)	20mm conduit thread
Terminations	2.5mm^2, loop included
Protection	IP23 (Surface)
Material	ABS
Colour	Red - NZS 7702 #537
Weight	400g (surf.) 250g (flush)
Ambient temperature	0°C to +40°C
Relative humidity	up to 95% (non-cond.)
FPANZ Listed	
Conventional (Ind.)	VF/649
Clean contact (non-Ind.)	VF/607

Part Numbers

Conventional Indicating (Red)

FP0903	Flush, "Wormald"
FP0904	Surface "Wormald"
FP0907	Flush, no brand
FP0908	Surface, no brand
FA1000	Spare Glass

Clean Contact Non-Indicating

FP0330	Red, Flush, "Wormald"
FP0331	Red, Surface, "Wormald"
FP0324	Red, Surface, no brand
FP0386	White, Surface, no brand (3-pole switch)

1757 Cast Manual Call Points

The cast aluminium Fire Alarm Call Point Type 1757 is designed specifically for use in harsh environments such as freezing works, cool stores, outdoors, etc. For new installations an indication module (PA1022) is also required.

Part Numbers

FP0108	MCP 1757-2
PA1022	Indi-V*IGIL* Indicating Module
FA0343	Spare Glass

Specifications

Dimensions (HWD)	174 x 150 x 120 mm
Cable entry	20mm^2 conduit thread
Weight	2kg
Mouting pattern	160W x 145Ø x 10mm x 4 places
Ingress Protection	IP55 (not certified)
Colour	Red - NZS 7702 #537
FPANZ Listed	VF/612

Manual Call Point Label

This label provides the operation information required for manual call points by NZS4512 and the NZ Building Code compliance documents.

Specifications

Dimensions	150 x 110 mm

Part Number

LB0124	Dial 111 Label, PVC

DB3 Flameproof Horn Sounder

The DB3 Horn Sounder is a high power device designed for use in potentially explosive atmospheres and harsh environments. Stainless steel screws and sinter are incorporated to ensure a corrosion free product. A tapered flamepath is used. The DB3 sounder volume is adjustable from 93dBA at 50mA** to 115dBA at 350mA**

**Input current is measured with 24V input voltage, tone 970Hz continuous

Approvals

CENELEC	EN50014,18,19
BASEEFA	Cert No BAS00ATEX2097X
	EExd IIC 100°C (-55 to +55°C amb)
	T5 Zone 1 & Zone 2
UL Listed	Class 1 Div 2, Groups A-D
	Class 1 Zones 1 & 2, AExd IIC T4
	Listing No E203310
GOST	1Exd IIC T4 & 1Exde IIC T4
	Certificate No A-0759

Specifications

Operating Voltage	24Vdc
Rated Current*	380mA @ 24Vdc
Sound Pressure Level*	115dBA ± 3dBA
Tones	27 user selectable
Cable Entries	1 x 20mm EExd
Terminals	6 x 2.5mm^2
Temperature	
EExd	-20°C to +55°C
UL	-55°C to +55°C
GOST Exd	-20°C to +50°C
Weight	6kg
Ingress Protection	IP66
Part Number	576.501.043

* tone dependent

150mm (6") Diameter Motorised Bell

Features - SRALM612
- Low current draw
- Slim profile
- Polarised for use with supervision circuitry

Features - SSM246
- Low cost
- Slim profile (53mm)
- Fully suppressed and polarised
- Quick and easy to install

Specifications

	SRALM612	SSM246
Op. Voltage	12Vdc	24Vdc
Rated Current	30mA	53.5mA
SPL (dBA @ 1m)	95	82
Ambient Temp.	-10°C to +50°C	
Colour	Red	Red
Part Numbers	SRALM612	SSM246

"RH" Sounders

The RH series includes two sounder types - RH3, a 12Vdc device; and RH4, a 24Vdc device. Both sirens are finished in Signal Red to shade No 537 NZS 7702. They feature a mounting bracket adjustable to angle the siren over 90 degrees. The sirens are provided with flying leads 300mm in length.

Specifications

	RH3	RH4
Operating Voltage	12Vdc	24Vdc
Rated Current	250mA	125mA
Sound Character	5Hz sweep, 500Hz - 1400Hz	
SPL (dBA @ 3m)	100	100
Ambient Temp	-10°C to +50°C	
Colour	Red	Red
Dims (Dia x L)	132 x 150 mm typical	
FPANZ Listed	VF/401	VF/402
Part Numbers	FP0416A	FP0469