



Conventional Indicating Heat Detector

(V-Series Special Applications : Encapsulated Alkaline Resistant)

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ISO 9001: 2008

International Standards
Certifications
QAC/R64/0012

Product Overview:

The Pertronic Indicating Heat Detector is a stylish NZS 4512:2003 and NZS4512:2010 compliant fixed temperature heat detector.

The detector is available in two temperature ranges (Blue: 57°C and Yellow: 77°C)

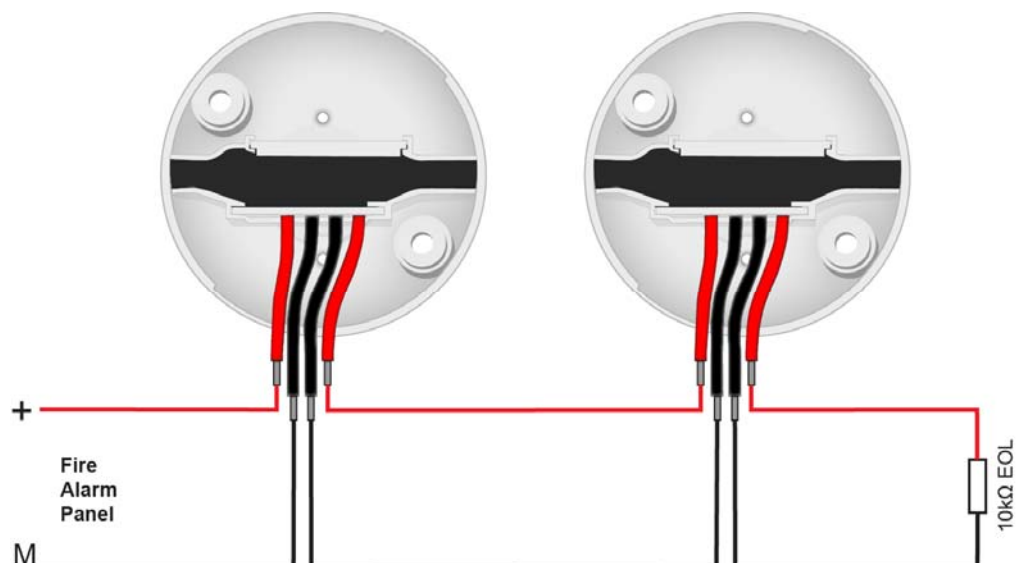
- ▶ Fast response, fixed temperature Fire Alarm Heat Detector
- ▶ Resistant to alkaline cleaning solutions containing <3% Potassium Hydroxide and/or <3% Sodium Hypochlorite.
- ▶ Coloured differently from standard detectors for easy identification
- ▶ Resistant to false activation caused by vibration or other transient impulses.
- ▶ Complies fully with NZS4512:2010.
- ▶ Bi-directional circuit connection leads - either 'Red' lead may be connected to the Fire panel.
- ▶ Vertically mounted PCB for improved resistance against condensation and water damage.
- ▶ Conformally coated and fully encapsulated PCB.
- ▶ Alarm condition clamps the circuit voltage to 2.2V
- ▶ Red LED indication: the LED latches ON when the thermo-mechanical sensor activates. De-powering the heat detector resets the LED.
- ▶ Integral reverse polarity yellow LED for easy detection of wiring faults.
- ▶ Reverse polarity connection causes "Hi Defect" fault warning on Pertronic panels



Specifications:

Electrical:	Operating Voltage 12 to 24Vdc	Quiescent Current 0.01mA	Alarm Current Panel must limit to less than 25mA	
Environmental:	Operating Temperature Range 0 to +80°C		Humidity (non-condensing) 10 to 90% RH	
Mechanical:	Dimensions (Diameter x Height mm) 66 x 36	Weight 71gms	Material : Polycarbonate	Colour: Light Grey Resene - Half House White
- Encaps Heat Detector				

Heat Detector Connections:



The Encapsulated Indicating Heat Detector is recommended for 'high humidity' environments



Rear View

Compatibility:

Indicating Heat Detectors are compatible with the following products:

Product	Detector Hardware Version	Panel Software Version	Release Date
F1	v2.6 & above	v2.3 & above	November 2003
F1-2W	v2.6 & above	v9.04 & above	March 2007
F4	v2.6 & above	v2.26 & above	November 2003
F4-2W	v2.6 & above	v9.0 & above	March 2007
F16	v2.6 & above	v7.0 & above	November 2003
F16e	v2.6 & above	v1.10N & above	June 2004
Loop Responder	v2.6 & above	v3.00N & above	May 2004
Apartment Module	v2.6 & above	v1.0 & above	November 2006

Product Codes:

NZS Code	Description	NZFPA Listing No
IHDBEAR-V	Encapsulated Indicating Heat Detector Alkaline Resistant, Blue : 57°C	TBA
IHDYEAR-V	Encapsulated Indicating Heat Detector Alkaline Resistant, Yellow : 77°C	TBA

NZ Patent 584714

NZ Patent 585677

Registered Design No. 413539

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