

Conventional Indicating Heat Detector (V series)

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Product Overview:

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

Available in two temperature ranges - Blue: 57°C and Yellow: 77°C

- ▶ Fast response, fixed temperature Fire Alarm Heat Detector.
- ▶ Resistant to false activation caused by vibration or other transient impulses.
- ▶ Complies fully with NZS4512:2010/NZS4512:2003.
- ▶ Terminals accept up to 1.5mm² cable
- ▶ Bi-directional circuit connection terminals
- ▶ Vertically mounted PCB with protective cover for improved resistance against condensation and water damage.
- ▶ Conformally coated 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



Available in a variety of configurations:

- ▶ Standard
- ▶ Encapsulated - for wet or high humidity environments
- ▶ Remote LED Indicator - refer to brochure '0722-Indicating Heat Detector-Remote LED'
- ▶ Remote Kit - refer to brochure '0721-Indicating Heat Detector Kits'.

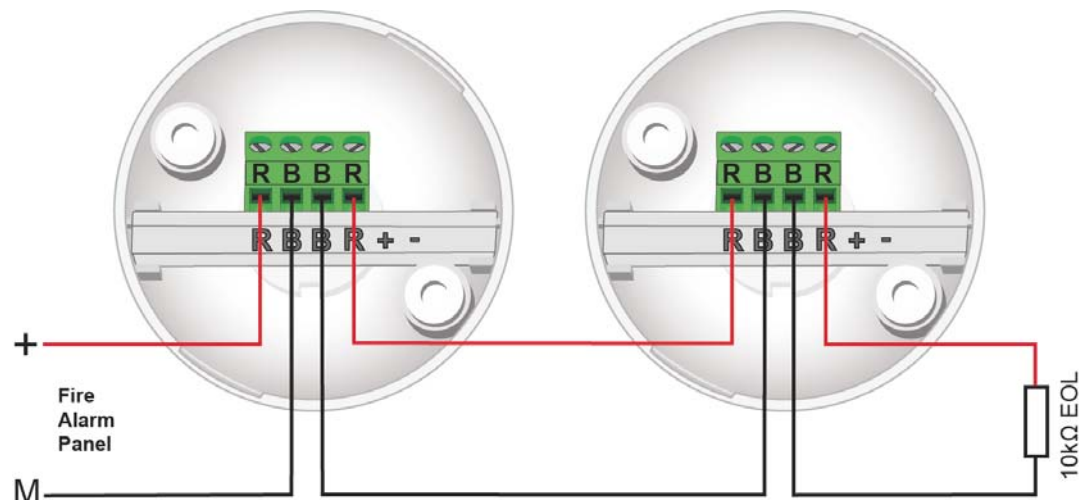
NOTE: These detectors should not be used in chemically aggressive environments, including areas where alkaline-based cleaning agents are used. The IHDBEAR-V (blue) or IHDYEAR-V (Yellow) alkaline resistant models are more suitable for such installations.

See separate datasheet for details on these products

Specifications:

Electrical:	Operating Voltage 12 to 24Vdc	Quiescent Current 0.01mA	Alarm Current - panel must limit to less than 25 mA	
Environmental:	Operating Temperature Range 0 to +80°C		Humidity 10 to 95% RH (non-condensing)	
Mechanical: - Heat Detector - Encaps Heat Det	Dimensions (Diameter x Height mm) 66 x 36	Weight 36gms 71gms	Material : Polycarbonate	Colour: White

Heat Detector Connections:



ISO 9001: 2008

International Standards
Certifications
QAC/R64/0012

Encapsulated Indicating Heat Detector: recommended for 'high humidity' environments.



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
Standard		
IHDB-V	Indicating Heat Detector, Blue : 57°C	PI/238
IHDY-V	Indicating Heat Detector, Yellow : 77°C	PI/239
Encapsulated		
IHDBE-V	Encapsulated Indicating Heat Detector, Blue : 57°C	PI/242
IHDYE-V	Encapsulated Indicating Heat Detector, Yellow : 77°C	PI/243
Alkaline Resistant		
IHDBEAR-V	Encapsulated Indicating Heat Detector Alkaline Resistant, Blue : 57°C	TBA
IHDYEAR-V	Encapsulated Indicating Heat Detector Alkaline Resistant, Yellow : 77°C	TBA

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