Conventional
Indicating Heat Detector
with 'Remote LED' Output (V Series)

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Product Overview:

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

Available in two temperature ranges - Blue: 57^oC and Yellow: 77^oC

- Fast response, fixed temperature Fire Alarm Heat Detector.
- Protected against false activation caused by vibration or other transient impulses.
- Complies fully with NZS4512:2010/NZS4512:2003.
- Terminals accept up to 1.5mm^2 cable.
- Bi-directional circuit connection terminals.
  - either of the 'Red' terminals may be connected to the fire panel.
- Vertically mounted PCB with protective cover for improved resistance against condensation and water damage.
- Red LED indication: the LED latches ON when the thermo-mechanical sensor element activates.
  De-powering the heat detector resets the LED.
- Alarm condition clamps the circuit voltage to 2.2V.
- Integral reverse polarity yellow LED for easy detection of wiring faults.
- Reverse polarity connection causes "Hi Defect" fault warning on Pertronic panels.
- The Remote LED (DETREM) is compatible with System Sensor detector remote outputs

IHDBR-V (Front View)	IHDBR-V (Rear View)	DETREM (Remote LED indicator)

Specifications:

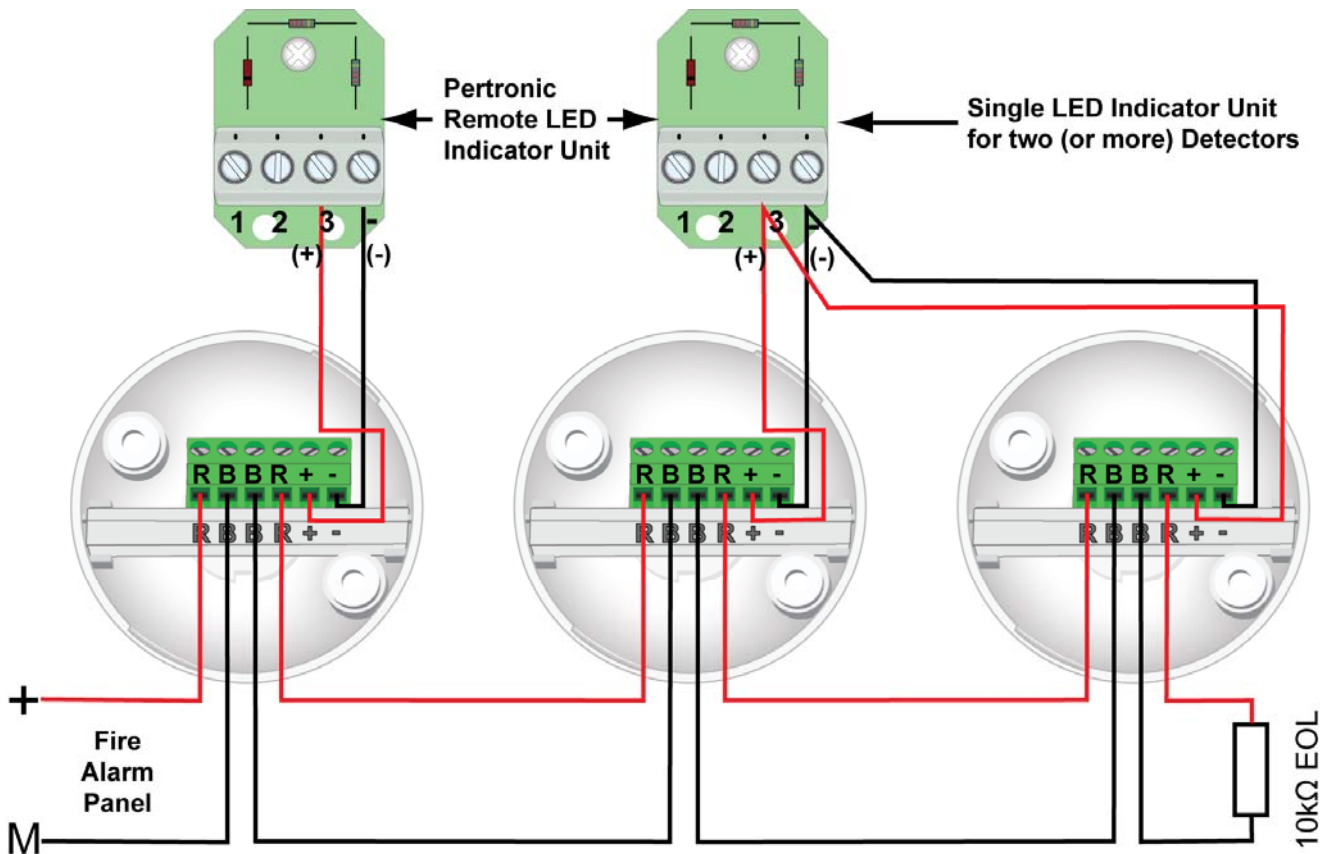| Electrical:	Operating Voltage 12 to 24Vdc	,Quiescent Current 0.01mA	Alarm Current - panel must limit to less than 25mA	
Environmental:	Operating Temperature Range 0 to +80^oC		Humidity 10 to 95% RH (non-condensing)	
Mechanical: - - Heat Detector - Remote LED	Dimensions (Diameter x Height mm) 66 x 36 65 x 5	Weight 50gms 10gms	Material : Polycarbonate	Colour: White

Operation:

- The Remote LED Indicator Unit latches ON when the thermo-mechanical sensor element activates.

> **IMPORTANT NOTES**
> 1) **Only the Pertronic Remote LED Indicating Detector supports the Pertronic Remote LED Indicator DETREM Unit.**
> 2) **The standard Indicating Heat Detector does NOT support the Remote LED Indicator DETREM Unit.**

Remote Indicator Heat Detector Connections:

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
IHDBR-V	Remote LED Indicating Heat Detector, Blue : 57°C	PI/240
IHDYR-V	Remote LED Indicating Heat Detector, Yellow : 77°C	PI/241
DETREM	Remote LED Indicating Unit	

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