



Conventional Indicating Heat Detector Kits

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ISO 9001: 2000

International Standards
Certifications
QAC/R61/0051

Product Overview:

Pertronic Industries manufacture Heat Detector Kits for use in extreme situations where the temperature exceeds the ability of the indicating circuit electronic devices to operate reliably, eg. extreme heat (kitchen range-hoods) or cold (freezers/cool stores), etc.

Heat Detector Kits consist of:

Encapsulated Heat Sensor Unit: is mounted inside the area to be protected and therefore may be exposed to very high or low temperatures.

Alarm Indication Unit: is mounted outside the area to be protected and is therefore not exposed to the potential extreme temperature.

Features:

- Fast response, fixed temperature Fire Alarm Heat Detector.
- Protected against false activation caused by vibration or other transient impulses.
- Complies fully with NZS4512:2003.

Encapsulated Heat Sensor Unit:

- Encapsulated thermo-mechanical heat sensor element: Black (125°C); Green (93°C); Yellow (77°C) and Blue (57°C).
- 3-metre fire-rated cable connection to Alarm Indication Unit.

Alarm Indication Unit:

- Brass terminals accept up to 1.5mm² cable
- Bi-directional circuit connection terminals
 - either of the 'Red' terminals may be connected to the fire panel.
- Red LED indication: the LED latches ON when the thermo-mechanical sensor element activates. De-powering the heat detector resets the LED.
- The detector clamps the circuit voltage at 2.3V

Note: the Alarm Indication Unit must be installed in a remote location outside the extreme temperature area where the Encapsulated Heat Sensor Unit is mounted.

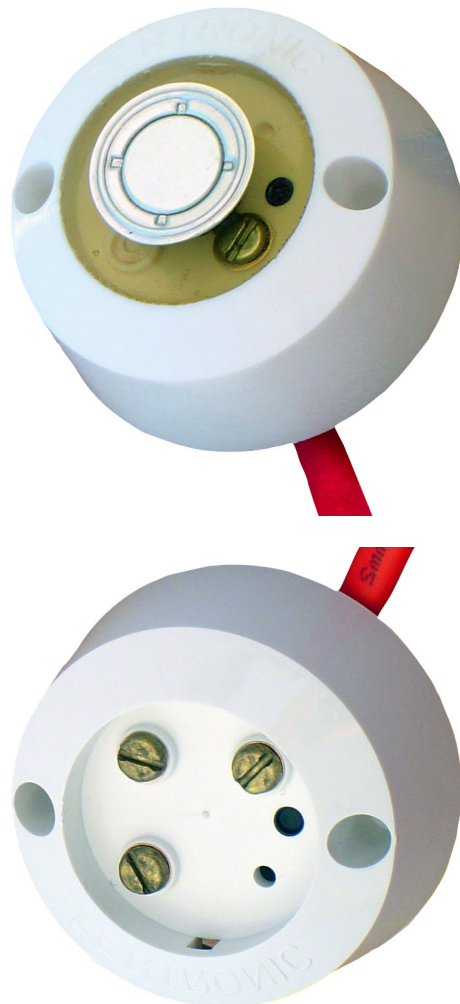
Specifications:

Electrical:	Operating Voltage 12 to 24Vdc	Quiescent Current 0mA	Alarm Current panel dependent	
Environmental:	Operating Temperature Range 0 to +80 °C	Humidity (non-condensing) 10 to 90% RH		
Mechanical:	Dimension (Diam x Height mm)	Weight	Material	Colour
- Thermal Unit	65 x 40	400 gms	Polycarbonate	White
- Indicator Unit	65 x 24	(includes cable)	Polycarbonate	White

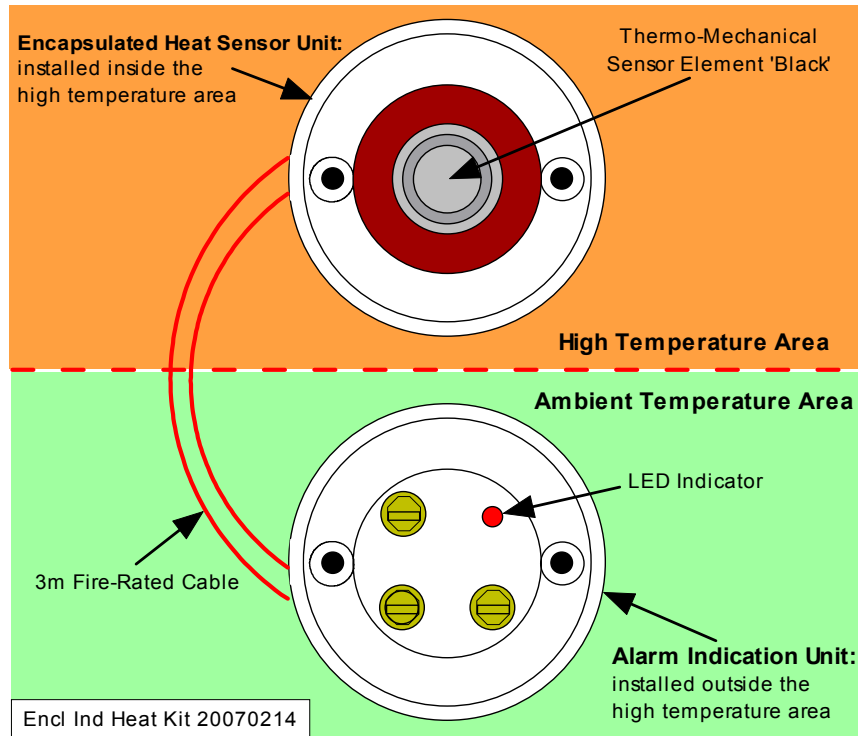
Compatibility:

Indicating Heat Detectors are compatible with the following products:

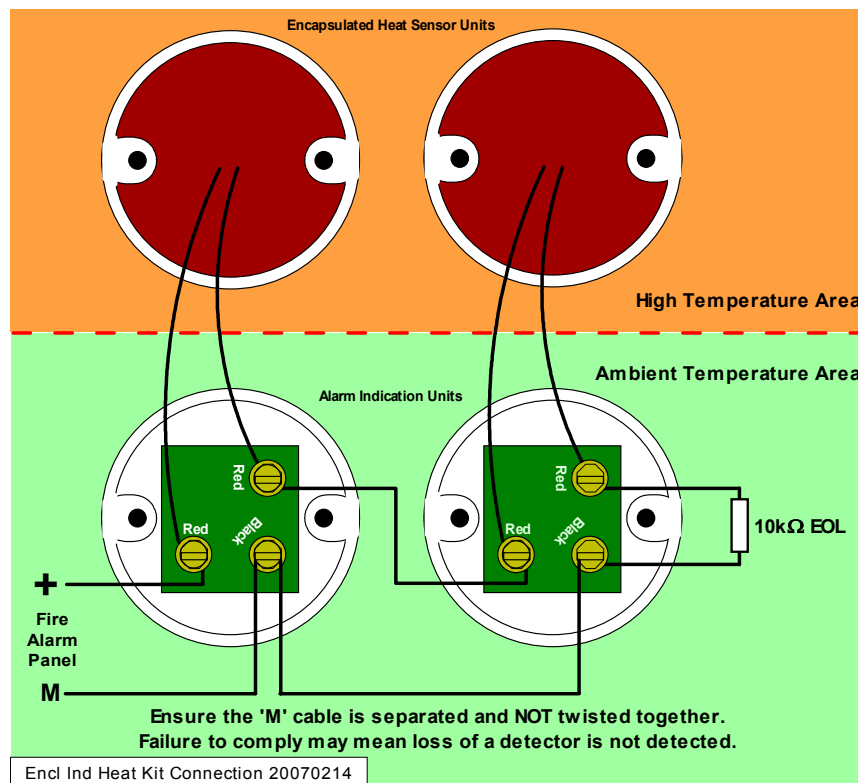
Product	Software Version	Release Date
F1	v2.3 & above	November 2003
F4	v2.26 & above	November 2003
F16	v7.0 & above	November 2003
F16e	v1.10N & above	June 2004
Loop Responder	v3.00N & above	May 2004



Heat Detector Layout:



Heat Detector Connections:



Product Code:

Description	Product Code
Encapsulated Indicating Heat Detector Kit, Blue : 57°C	IHDBEK
Encapsulated Indicating Heat Detector Kit, Yellow : 77°C	IHDYEK
Encapsulated Indicating Heat Detector Kit, Green : 93°C	IHDGEK
Encapsulated Indicating Heat Detector Kit, Black : 125°C	IHDBKEK

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