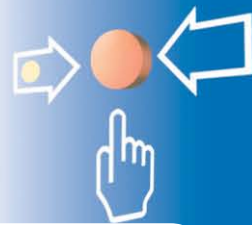# Maximum Heat Detector
6295, 6296, 6297, 6298

- **Conventional technology**

- **Alarm temperature 57°, 72°, 87° or 117°C**

- **Protection class IP67**

- **Types 6295 and 6296: use in intrinsically safe areas, ATEX certified**

6297
6298

6295
6296

Description

The Thermal Detectors 6295, 6296, 6297 and 6298 have been developed for thermal fire detection under extreme operational conditions. For different applications, the four detector types have an alarm temperature of 57°, 72°, 87° or 117°C.

The detectors contain an exact bimetal sensor and work on the maximum principle – the detectors activate when the alarm temperature is exceeded. An activation will be stored until the detector is reset by the fire detection control panel.

With the exception of the type 6298, the detectors have an integrated alarm LED which will indicate that the alarm threshold has been exceeded. The detectors are connected to a conventional line or are linked to the fire detection control panel via a loop – by means of a conventional zone module.

The detector types 6295 and 6296 have been approved for use in intrinsically safe areas. In this case, they are connected via a safety barrier.

The heat detectors are integrated into a grey plastic housing and come with 3 threaded cable glands. The robust, dust and water protected design allows use under harsh environmental conditions.

Specifications

Operating voltage	supply through the detector line voltage
Quiescent current	0
Permissible alarm current (types 6295, 6296, 6297) (type 6298)	max. 40mA max. 30mA
Alarm resistance (types 6295, 6296, 6297) (type 6298)	400Ω 680Ω
Protection class	IP67
Dimensions Ø × H	100 × 75 (mm, without cable glands)
Colour	light grey
Weight	215g

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Heat detector 57°C, class A2S

Ignition protection	intrinsically safe
Ex classification	Ex II 3 G Ex ic IIC T5 Gc Ex II 3 D Ex ic IIIC T100°C Dc
Alarm temperature	typ. 57°C
Ambient temperature	-40°C to +50°C
Approval	0845-CPD-0232.1192
Order number	242150
Order name	Thermal Detector/IP67/Conv/MAX/A2S 6295

Heat detector 72°C, class BS

Ignition protection	intrinsically safe
Ex classification	Ex II 3 G Ex ic IIC T5 Gc Ex II 3 D Ex ic IIIC T100°C Dc
Alarm temperature	typ. 72°C
Ambient temperature	-40°C to +65°C
Approval	0845-CPD-0232.1193
Order number	242151
Order name	Thermal Detector/IP67/Conv/MAX/BS 6296

Heat detector 87°C, class CS

Alarm temperature	typ. 87°C
Ambient temperature	-40°C to +80°C
Approval	0845-CPD-0232.1194
Order number	242152
Order name	Thermal Detector/IP67/Conv/MAX/CS 6297

Heat detector 117°C, class ES

Alarm temperature	typ. 117°C
Ambient temperature	-40°C to +110°C
Approval	0845-CPD-0232.1195
Order number	242153
Order name	Thermal Detector/IP67/Conv/MAX/ES 6298

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