6296

Enclosed Conventional Heat Detector, Weatherproof IP67, 72°C, Class BS

General

Heat detectors are normally used in rooms where the temperature can be expected to rise rapidly in case of a fire, or in places where smoke detectors cannot be used. The 6000 series heat detectors are intended for outdoor or indoor use in high humidity areas.



Fixed Temperature Alarm Level

The 6000 series detectors are conventional fixed temperature heat detectors, i.e. they will give an alarm within a response temperature range in accordance with EN54-5. The sensing element is a heat pick-up shield and a bimetal switch. An LED on the detector lights up when the detector activates. All detectors support an output for a remote indicator.

The following types are available (static response temperature, class & EN54-5 temperature range):

- 6295, 57°C, class A2 S (54 to 70°C)
- 6296, 72°C, class B S (69 to 85°C)
- 6297, 87°C, class C S (84 to 100°C)
- 6298, 117°C, class E S (114 to 130°C)

Operation

All detectors are latching, i.e. they will not be automatically reset if the temperature, after the alarm, falls below the detector's static response temperature. The detector's LED and a connected remote LED will be lit until the detector is reset via the C.I.E.

Installation

All electronic componets are mounted in a grey waterproof detector housing and fitted to the supplied connection box. The connection box has three cable inlets. Three compression glands and a silicon gasket for IP67 protection are supplied with the product.

All detectors are provided with three pairs of flying leads with female push-on connectors to connect the zone line cables (in / out) and the remote indicator.

Details

- State of the art detector for highest safety
- Waterproof (IP67) for outdoor use or in humid areas
- High temperature range for difficult environments
- Fixed temperature alarm level

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Technical specifications

General

Status indication	LED
Compatibility	Conventional systems
Alarm levels	1
Connectivity	2-wire zone

Electrical

Power supply type	Zone powered
Operating voltage	12 to 30 VDC (24 VDC nom.)
Current consumption	0 mA (Quiescent) 6 to 40 mA (±400 Ω) (Alarm, Internal Resistance)
No. of cable cores	2

Detection

Detection principle	Bi-metal plate
Zone length	Controller specific
Static response temperature	72°C

Output

Output quantity	1
Output type and rating	Remote indicator, < 10 mA @ Supply - 2 VDC

Physical

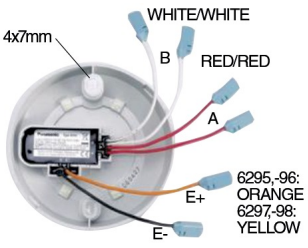
Physical dimensions	100 x 75 mm (Ø x D)
Net weight	133 g
Colour	Grey
Mounting type	Base mount
Cable entries	2
Material (body)	Modified polycarbonate

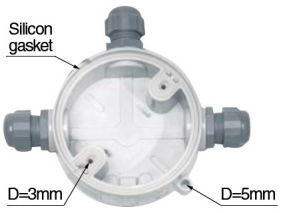
Environmental

Vandal proof	No
Operating temperature	-40 10 110°C
Storage temperature	-45 to +70°C
Relative humidity	< 95%
Environment	Indoor, Outdoor
IP rating	IP67

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Voluntary marks	VdS
Standards	EN54-5





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Last updated on 20 February 2025 - 14:30