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Z620-771-3P
CONV. TEMP. DET. 82Â°C, BS PW

General

The Z620-771-3P is a Polar White conventional thermal fire detector. It activates into alarm at a fixed temperature of 77°C.

Advanced thermistor design

Based on advanced thermistor technology, the Z620 series heat detectors provides a reliable response to fires in areas where environmental conditions prohibit the use of smoke detection.

The Z620-771-3P is a high temperature detector suitable for use where ambient temperatures may consistently be greater than normal, for example boiler rooms and certain food processing installations. The detector is set to operate at 77°C.

Approvals and Use

The Z620-771-3P meets the requirements of EN54 Part 5 class BS.

Low profile moulding and options of either surface or recessed bases make the units ideal for both modern commercial and industrial interiors featuring solid or suspended ceilings. A high intensity, red LED indicator on the detector moulding provides clear indication when the unit is in alarm.

Twist and lock base

For ease of removal, Z620 series detectors plug into a range of base units. In order to prevent unauthorised removal, a site selectable option is provided to lock the detector into its base. Once applied the unit can only be removed by means of a special tool.

All Z620 detectors feature head out monitoring support. Should a detector be removed from its base, in addition to giving a fault signal, all devices down line of the removed unit continue to function normally when the detectors are used with a Z6-BS5-P diode base.

Details

- Aproved to EN54 Parts 5 and CPD Certified
- Low profile conventional design
- Head out continuity support
- Range of surface bases
- Plug in base with automatic locking

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Technical specifications

Electrical

Operating voltage	12 to 30 VDC

Physical

Physical dimensions	106 x 52 mm (Ø x H)
Net weight	105 g (without base)
Colour	Polar white
Material	Moulded ABS

Environmental

Storage temperature	-20 to +70°C
Relative humidity	20 to 95% noncondensing
Environment	Indoor
IP rating	IP55 (EN60529 rating)

Standards & regulation

Certification	EN54-5

Z620-771-3P

	Specification EN54 Pt5 Class BS

Compatibility

	All ZC conventional systems

Mounting

	Plugs into surface or semi recessed base

Area Coverage

	50m², subject to local codes

Wiring

	2 wire zonal

Monitoring

	With Z6-BS1-P base, open and short circuit by EOL resistor
	With Z6-BS5-P base, open and short circuit and head out by active EOL unit

Indication

	Alarm LED (red)

Operating threshold

	77ºC

Operating voltage

	12 - 30 VDC

Operating current

Quiescent	<60 µA
Alarm (max)	50 mA (limited by panel)

Application

	Indoor installation

EN60529 rating

	IP55

Temperature range

Operating	-20ºC to +15ºC above temp rating
Storage	−20 to +70°C

Relative humidity range (non condencing)

	20 to 95%

EMC

	CE marked (EEC89/336)

Material

	Moulded ABS

Dimensions (Dia x H)

	106 x 52 mm

Height (from ceiling with base)

	BS1/BS5 surface - 60 mm

Colour

	Polar White

Weight

	105g (without base)

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