



# Z620-582-3P

**CONV. TEMP. DET. 58°C, A1R PW**

## General

The Z620-582-3P is a Polar White conventional thermal fire detector. It activates into alarm at a fixed temperature of 58°C with an incorporated rate-of-rise algorithm.

## 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 Z620-582-3P operates on the rate-of-rise of its ambient temperature. To increase response time without compromising reliability, a rate compensation element enables the detector to become more sensitive to higher rates of temperature rise.

## Approvals and Use

The Z620-582-3P meets the requirements of EN54 Part 5 with sensitivity to grade 1.

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

- Approved 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

# Z620-582-3P

## CONV. TEMP. DET. 58°C, A1R PW

### Technical specifications

#### Electrical

Operating voltage	12 to 30 VDC
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#### 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
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#### Z620-582-3P

Specification EN54 Pt5 Grade 1 - Rate of Rise
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#### Compatibility

All ZC conventional systems
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#### Mounting

Plugs into surface or semi recessed base
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#### Area Coverage

50m², subject to local codes
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#### Wiring

2 wire zonal
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#### 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)
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#### Operating threshold

58°C
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#### Operating voltage

12 - 30 VDC
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#### Current

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

#### Application

Indoor installation
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#### EN60529 rating

IP55
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#### Temperature range

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

#### Relative humidity range (non condensing)

20 to 95%
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#### EMC

CE marked (EEC89/336)
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#### Material

Moulded ABS
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#### Dimensions (Dia x H)

106 x 52 mm
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#### Height (from ceiling with base)

BS1/BS5 surface - 60 mm
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#### Colour

Polar White
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#### Weight

105g (without base)
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