

# 116-BG-21

## Dual IR flame detector

### General

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BG-21 is a point flame detector for detection of fires involving combustion of carbonaceous materials.

The detector has a high IP rating making it suitable for the harshest environments.

The detector can be used with most conventional fire alarm panels giving alarm on the current increase principle. An alarm resistor must be fitted between terminal 3 and 4. The value of the alarm resistor can be dimensioned for correct alarm current depending on the panel. Performance class can be configured by the system according to table 1.

The advanced signal processing and DYFI+ intelligence ensure that the detector has a high immunity to any nuisance alarm source combined with fast detection of real fires.

### Installer and maintenance friendly

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Two infrared sensors detect the infrared spectrum from a fire. The sensors evaluate different parts of the infra red spectrum using this information to verify that the signals correspond to the characteristics of a real flame.



### Details

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- Dual IR detector
- Conventional
- IP66 housing
- Low current consumption
- Immunity to false sources
- Conforms to EN54: Part 10

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## Dual IR flame detector

### Technical specifications

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#### Electrical

Power supply type	Loop powered
Power consumption	90 µA ; Up to 2.1 mA Alarm mode
Operating voltage	10 to 26 VDC

#### Physical

Physical dimensions	119 x 63.5 mm (Ø x H)
Net weight	210 g
Colour	Light grey, Transparent

#### Environmental

Operating temperature	-40 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	96% max. noncondensing
Environment	Indoor / Outdoor
IP rating	IP66

#### Standards & regulation

Certification	EN54-10
Standards	A1:2005



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