116-BG-21

Dual IR flame detector

General

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

Application

The 116-BG-21 has a high IP rating making it suitable for the harshest environments. It may be used with most conventional fire alarm panels. An alarm resistor can be fitted to suit the alarm current required by the detection zone.

The performance class (Class 1 to 3) according to EN54-10 can be configured as required. The advanced signal processing and DYFI+ intelligence ensure that the detector has a high immunity to nuisance alarm sources in combined with fast detection of real fires.

Detection principle

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.



Détails

- Standard conventional fire detection interface for connection to most conventional fire detection zones
- Selectable sensitivity settings
- Integrated alarm indicator (LED)
- High immunity to false alarm sources, including sunlight
- Fast detection of hydrocarbon fires
- Not blinded by oil film on detection window
- Approved to the requirement of the major maritime classification societies

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Spécifications techniques

Général

Status indication	LED
Compatibility	Conventional fire zones
Connectivity	2-wire zone

Électrique

Power supply type	Zone alimentée
Operating voltage	10 to 26 VDC
Current consumption	90 µA (Standby) 2.1 mA (Alarm)
Spécification du câble	< 2.5 mm² (AWG14)
Nbre de fils conducteur	2
Terminals	4

Détection

Detection principle	Dual infrared sensors detect the fire spectrum
Sensitivity	Selectable
Champ de vision	90°
Gamme	< 25 m
Détection latérale	< 45°
Installation height	< 25 m
Adjustment angle	< 75°

Caractéristiques physiques

Physical dimensions	119 x 63.5 mm (Ø x H)
Net weight	210 g
Colour	Gris léger, Transparent
Mounting type	Assemblage sur socle, Montage au plafond, Fixation murale
Entrées de câble	4 off - 6 to 12 mm (with cable gland)

Environnement

Vandal proof	Non
Operating temperature	-40 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	0 to 96% (continuous) 100% (short periods)
Environment	Intérieur, Extérieur
IP rating	IP66 / 67

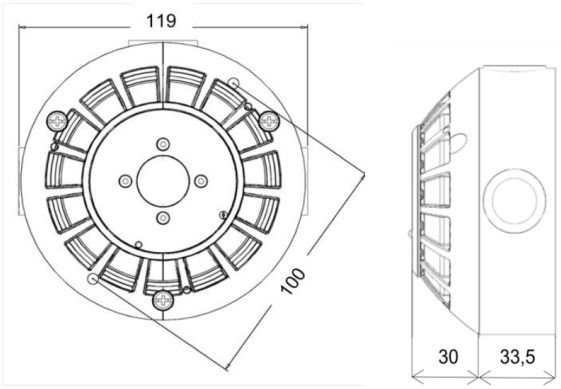
Régulateur

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-10

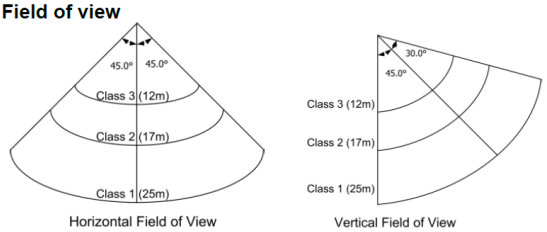
Detection

Response time (all languages)	> 3 s (n-heptane)

Dimensions



Field of view



EDWARDS
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