116-BG-21F

Dual IR flame detector with mounting bracket

General

The 116-BG-21-F is a point flame detector for detection of fires involving combustion of carbonaceous materials. It includes a convenient mounting bracket for easy installation.

The mounting bracket allows the mounting of the detector on the facade outside the building to detect a fire starting along the the outside perimeter of the building.

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

Indication d'état	LED
Compatibilité	Conventional fire zones
Connectivity	2-wire zone

Électrique

Type de bloc d’alimentation	Zone alimentée
Tension de fonctionnement	10 to 26 VDC
Consommation de courant	90 µA (Standby) 2.1 mA (Alarm)
Spécification du câble	< 2.5 mm² (AWG14)
Nbre de fils conducteur	2
Bornes	4

Détection

Principe de détection	Dual infrared sensors detect the fire spectrum
Sensitivity	Selectable
Champ de vision	90°
Gamme	< 25 m
Détection latérale	< 45°
Hauteur d’installation	< 25 m
Adjustment angle	< 75°

Caractéristiques physiques

Dimensions physiques	119 x 63.5 mm (Ø x H)
Poids net	210 g
Couleur	Gris léger, Transparent
Type de montage	Fixation murale
Entrées de câble	4 off - 6 to 12 mm (with cable gland)

Environnement

Protégé contre le vandalisme	Non
Température de fonctionnement	-40 to +70°C
Storage temperature	-40 to +70°C
Humidité relative	0 to 96% (continuous) 100% (short periods)
Environment	Intérieur, Extérieur
Indice de protection	IP66 / 67

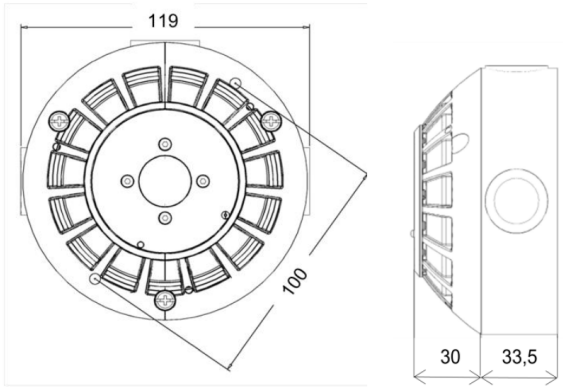
Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	CPR
Normes	EN54-10

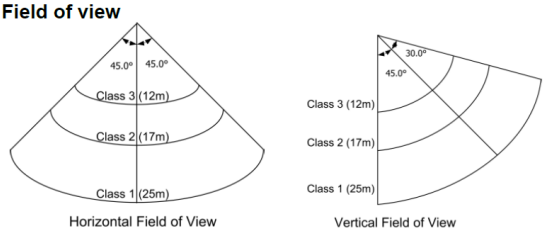
Detection

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

Dimensions



Field of view



EDWARDS
Built for Resilience

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