DCD-1E-IS(WHT)

Conventional Intrinsically Safe Heat Detector, Grade A1R

General

The DCD-1E-IS(WHT) is a WHITE intrinsically safe conventional rate of rise heat detector with a 60°C fixed temperature element designed for use in hazardous areas. The unit also features a remote indicator output.

Heat detectors are normally used in applications where smoke detectors are unsuitable or if there is a danger of nuisance alarms from smoke detectors.



Heat Detector Classification

Heat detectors are classified according to the highest ambient temperature in which they can safely be used without risk of false alarm. The classes are identified by the letters A to G. In addition to the basic classification, detectors may be identified by a suffix to show that they are rate-of-rise (suffix R) or fixed temperature (suffix S) types.

A1R
A1 - Detector Class (Max. Application Temperature = 50°C, Static Response Temperature 54-65°C)
R - Temperature Response (with Rate of Rise)

Hazardous Area Classification

ATEX II 1G
II - Equipment group (Non-Mining)
1 - Equipment category (for Zone 0 or 20)
G - Type of explosive atmosphere (Gas, Vapours and Mist)

Cenelec EEx ia IIC T5 Tamb = 55°C
E - Conformity with European standard
Ex - Explosion protection symbol
ia - Protection concept (Intrinsically Safe)
IIC - Apparatus Group (Gas)
T5 - Temperature classification (100°C)
Tamb - Maximum ambient temperature (55°C)

BASEEFA Certificate number

ATEX - BAS01ATEX1021

Détails

- Twin fire LEDs allow 360° viewing
- Remote indicator output
- ATEX classification to II 1G EEx ia IIC T5 Tamb=55°C
- Suitable for installation in areas at Category 1 (including all lower categories)
- Approved by LPCB and GL

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Spécifications techniques

Général

Indication d'état	LED
Interface utilisateur	LED
Compatibilité	Aritech, Kilsen & Ziton conventional zone interfaces
Connectivité	2-wire zone

Électrique

Type de bloc d’alimentation	Zone alimentée
Tension de fonctionnement	15 to 30 VDC
Consommation de courant	50 µA (quiescent) <50 mA (alarm)

Détection

Principe de détection	Termistor
Contrôle	Open circuit, Short circuit
Longueur de la zone	Zone configuration dependent
Taux de croissance	Yes

Caractéristiques physiques

Dimensions physiques	100 x 40 mm (Ø x H)
Poids net	97 g
Couleur	Blanc
Type de montage	Assemblage sur socle, Montage au plafond
Matériel (boîte)	ABS
Marquage fonctionnel	BASEEFA Rating

Environnement

Protégé contre le vandalisme	Non
Température de fonctionnement	-10 to +55°C
Température de stockage	-30 to +70°C
Humidité relative	<95% noncondensing @ 40°C
Environnement	Intérieur, IS
Evaluation de l’environnement hazardeux	II 1G EEx ia IIC T5 Tamb=55°C
Indice de protection	IP63

Régulateur

Conformité	CE, REACH, RoHS 2
Certification	CENELEC/ATEX, EN54-5

Produits compatibles

Catégorie	Référence	Description
Module de détection	YBN-R/4IS(WHT)	Conventional Intrinsically Safe Detector Mounting Base

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Last updated on 4 May 2023 - 17:07