KE-DT3101W-HAB

Excellence series intelligent addressable heat detector with isolator

General

The innovative Excellence range of intelligent addressable devices offers advanced features for reliability and peace of mind. Coupled with features for ease of installation and maintenance on new fire detection systems, it's a perfect match for exceptional overall performance.

The DT3101W-HAB is a Kidde Excellence series, traffic white addressable heat detector with integrated short circuit isolation. It supports EN54 Class A with static and rate-of-rise temperature response, as well as Class B with rate-of-rise response. It combines a low profile design with tri-colour status indication with 360° visibility. A remote indicator output is available as standard that supports a remote indicator up to 30 m away.

User friendly

All detectors are individually identified by easily setting an address through 2, modern design rotary switches. The address is a directly identified number and does not require binary or hexadecimal conversions that significantly reduces the risk of incorrect addressing.

Installation & maintenance friendly

Regular automatic self-testing ensures safe operation with any issues immediately reported to the CIE.

All Excellence series detectors are compatible with a standard base which makes installation planning seamless and detectors easily interchangeable.

Communication protocol

An enhanced protocol ensures the overall integrity and error-free operation of the system. The Excellence series protocol provides features like CRC error checking and multiple bus cycle codes to ensure reliability between panel and device communication. The Kidde Excellence protocol still support legacy 2000 series devices in combination with the Kidde Excellence series devices.

Extended applications

A comprehensive range of additional devices and accessories complement every Excellence series device. Appart from a feature rich detector line, a comprehensive range of in- and outdoor manual call points as well as a variety of I/0 modules and accessories enrich the overall Excellence system capability.



Détails

- Integrated loop short circuit isolation ensures operation during a single short circuit on the loop
- Short circuit isolation on remote output for additional device protection
- Regular automatic self testing for operational piece of mind
- Static and rate-of-rise temperature support
- Tri-colour indicators for alarm, pre alarm, isolation, fault. ItsMe, and communications takes the guesswork out of operational status
- 360° indicator visibility means no device alignment to ensure visibility
- New mechanical rotary addressing for easy addressing
- Event logging in the device for diagnostics purposes when needed
- All alarm levels EN54 certified

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Spécifications techniques

Général

Indication d'état	Tri-colour LED
Compatibilité	Kidde Commercial Excellence Systems
Niveaux d’alarme	3
Journal des événements	Available
Connectivité	Excellence series, standard base
Méthode d'adressage	Rotary switch

Électrique

Type de bloc d’alimentation	Alimenté en boucle
Tension de fonctionnement	17 to 29 VDC
Tension de communication	4 to 11 V pulsed
Consommation de courant	4.75 mA (alarm at 24 VDC) 180 µA (quiescent at 24 VDC)
Bornes	6

Détection

Principe de détection	Static & temperature change
Contrôle	Alarm threshold, Fault
Sensibilité	Selectable
Zone de couverture	< 57 m²
Température d'alarme (minimum)	+54°C
Taux de croissance	Supported
Hauteur d’installation	< 7.5 m (std) / < 9 m (reduced spacing & risk assessment)

Sortie

Quantité des sorties	1
Type de sortie et classe	Remote indicator
Programmable	No
Sortie d'alarme à distance	<8 mA

Isolation

Type	Negative line break
Quantité par boucle	≤128
Tension d’isolation	14 to 15.5 VDC
Reconnecter la tension	14 to 15.5 VDC
Isolement boucle de masse	5 mA (isolated)
Interrupteur de courant	1.05 A (continuous) / 1.4 A (pulsed)
Courant de fuite	<1 mA
Types de résistance	<0.08 Ω
Exigences d’impédance	≤32 devices between isolators

Caractéristiques physiques

Dimensions physiques	100 x 54 mm (Ø x H)
Poids net	110 g
Couleur	Blanc (RAL 9016)
Type de montage	Assemblage sur socle
Matériel (boîte)	PC / ABS
Marquage fonctionnel	Device type, Isolation

Environnement

Protégé contre le vandalisme	Non
Température de fonctionnement	-10 to +65°C
Température de stockage	-30 to +75°C
Température d'application (maximale)	+65°C
Température ambiante	+25°C
Humidité relative	10 to 93% noncondensing
Environnement	Intérieur
Indice de protection	IP20

Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	CPR
Normes	EN54-5, EN54-17

Produits compatibles

Catégorie	Référence	Description
Module de détection	KE-DB3010W	

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