KE-AS3105W-CM

Excellence Series intelligent addressable visual alarm w/ isolator, ceiling mount

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 KE-AS3105W-CM is a WHITE bodied, ceiling mount visual alarm device (VAD) with integrated isolation for Excellence series fire systems. They are connected over a 2-wire loop and are loop powered. They are compatible with automatic synchronisation controlled from the CIE (control panel).

Installation

For ease of system planning, Excellence notification devices share a first fix base with Excellence point detectors. This allows for standardised cabling with less cabling issues, and allows devices to be interchanged without rewiring should requirements change. Optional installation accessories to support surface conduit entry, trim skirts address tags and address labels are available to suit multiple applications.

To assist with the installation and commissioning process, a multitude of features ensure that the device is easily and properly inserted into the base, securely connected to the loop and that it functions perfectly. Local multi-coloured LED indicators help visualise any problems locally without requiring access to the fire panel.

Configuration & Operation

All functional programming is controlled from the CIE and can be changed on the fly without access to the device.

Should the loop be heavily loaded, all Excellence notification devices offer a unique "Battery assisted activation" feature allowing the device to draw its activation power from 3 x CR123 batteries that may be optionally fitted to the device. Using batteries protects the device loop from possible overload which may put the system at risk, and allows for as many as 128 notification devices to be fitted to any Excellence loop. When batteries are used they are automatically supervised buy the device, with ample warning time when batteries require replacing. Under standard operating conditions batteries should provide more than 5 years of support without requiring replacement.

Safety & Security

Automatic daily self testing ensures that when the device is activated, everything works as expected. Pre-activation self testing ensures that a warning is raised before an event takes place, minimising the risk when notification is required. With the integrated isolator, continuity of operation is ensured even with a single short circuit on the loop.



Détails

- Standard first fix base shared with point detectors for ease of planning, logistics and installation
- Base lock, address tag, trim skirt and surface cabling support for easy installation in all conditions
- Loop powered with battery assisted activation allowing up to 128 devices per loop
- 3 selectable VAD power levels that can be reconfigured from the CIE
- Multi-stage evacuation support for application flexibility
- Pre-and post activation self testing ensuring maximum safety
- Automatic synchronisation
- Tri-colour diagnostic LED indicator for fast commissioning and fault finding support

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Spécifications techniques

Général

Compatibilité	Kidde Commercial Excellence Systems
Méthode d'adressage	DIL switch
Contrôle	Activated, Battery level, Continuously self-checking, Fault, Open circuit, Short circuit

Électrique

Type de bloc d’alimentation	Batteries, Alimenté en boucle
Batteries	3 x CR123 (optional)
Tension de fonctionnement	17 to 29 VDC
Tension de communication	4 to 11 V pulsed
Consommation de courant	250 µA (Quiescent) Refer to the installation sheet for alarm current values (setting dependent)

VAD

Couleur	Red
Évaluation	C-3-6 (Low) / C-3-7.5 (Mid) / C-3-9 (High)
Couverture de sol	< 63.6 m² total < 40.5 m² covering squares
Fréquence du flash	0.5 Hz (1 flash every 2 s)

VID

Synchronisation	Supported

Isolation

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

Caractéristiques physiques

Dimensions physiques	111 x 87 mm (Ø x H)
Poids net	300 g
Couleur	Blanc (RAL 9016)
Type de montage	Assemblage sur socle
Position de montage	Ceiling
Hauteur de montage	Up to 3 m
Matériel	PC / ABS
Texture	Smooth

Environnement

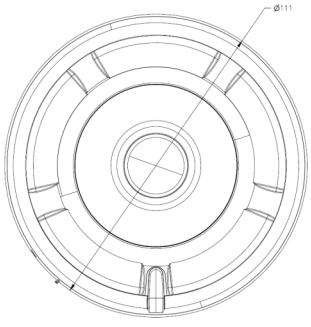
Température de fonctionnement	-10 to +55°C
Température de stockage	−25 to +75°C
Humidité relative	10 to 93% (noncondensing)
Environnement	Intérieur
Indice de protection	IP21C

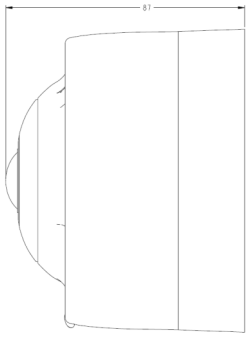
Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	EN54-17, EN54-23

Produits compatibles

Catégorie	Référence	Description
Module de détection	KE-ASA-AUXW	
Module de détection	KE-DB3010W	





KIDDE COMMERCIAL

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