KE-AS3110W

Excellence Series intelligent addressable sounder w/ isolator

General

The AS2363W is a WHITE bodied, addressable room sounder for fire alarm systems running 2000 series addressable fire protocol. Multiple tone selection and full CPR approval ensure conformance to local regulations.

The sounders operate over a 2-wire 2000 series loop and are loop powered i.e. no external power supply is required. They are compatible with automatic phased-start synchronisation controlled from the fire panel.

Installation

Device cabling is done to the base and allows the sounder to be fitted and locked into position afterwards. A separate earth terminal is provided in the base for connecting the screen or functional earth when required.

Efficient and versatile

These sounders can be put into different operating modes depending on local requirements. It provides high sound output at a low current, thus reducing power standby requirements and overall system cost. They are supplied with high/low volume settings as standard, allowing final audio adjustments to be made during installation.

The sounder is tone selectable during installation. 32 Tone settings are available.

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.



Details

- Standard first fix base shared with point detectors for ease of planning, logistics and installation
- Integrated short circuit loop isolation for added safety protection
- 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
- 32 selectable tones at 4 selectable volume levels that can be configured 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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Technical specifications

General

Compatibility	Kidde Commercial Excellence Systems
Addressing method	DIL switch
Monitoring	Activated, Battery level, Continuously self-checking, Fault, Open circuit, Short circuit

Electrical

Power supply type	Batteries, Loop powered
Batteries	3 x CR123 (optional)
Operating voltage	17 to 29 VDC
Communication voltage	4 to 11 V pulsed
Current consumption	250 µA (Quiescent) 1.4 mA (Activated - from the loop with batteries installed) Refer to installation sheet for consumption values when only loop powered

Sounder

Output level	55 to 102 dB(A) - Tone dependent
Output level adjustment	4 levels
Frequency	User selectable
Selectable tones	32
Synchronization	Supported
No. of stages	3

Isolation

Type	Negative line break
Loop current	5 mA (isolated)
Series resistance	<0.08 Ω
Switch current	1.05 A (continuous) / 1.4 A (pulsed)
Leakage current	<1 mA
Isolation voltage	14 to 15.5 VDC
Reconnect voltage	14 to 15.5 VDC

Physical

Physical dimensions	111 x 87 mm (Ø x H)
Net weight	300 g
Colour	Traffic white (RAL9016)
Mounting type	Base mount
Mounting position	Ceiling, Wall
Mounting base	Shallow
Material	PC / ABS

Environmental

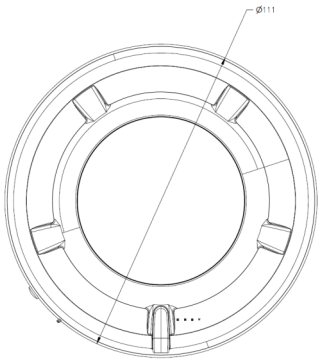
Vandal proof	No
Operating temperature	-10 to +55°C
Storage temperature	−25 to +75°C
Relative humidity	10 to 93% (noncondensing)
Environment	Indoor
IP rating	IP21C

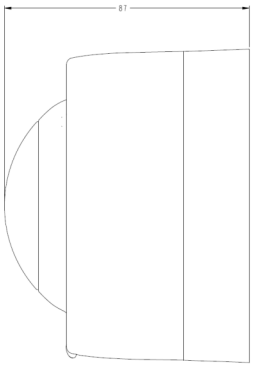
Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-3, EN54-17

Compatible products

Category	Reference	Description
Detection device	KE-ASA-AUXW	Intelligent addressable notification accessory - deep base (white)
Detection device	KE-DB3010W	Excellence series intelligent device accessory - standard base





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