

# KE-AS3110R-IP

## Excellence Series intelligent addressable weatherproof sounder w/ isolator

### General

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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-AS3110R-IP is a RED bodied, weatherproof addressable sounder 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

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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 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. A local multi-coloured LED indicator helps to visualise device status locally without requiring access to the fire panel.

### Configuration & Operation

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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 by 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

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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.



### Dettagli

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- Supplied with IP65 rated, surface mount base accessory ensuring IP65 rating for outdoor applications
- Top, bottom or rear cable entry support for application flexibility
- 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 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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### Specifiche tecniche

#### Generale

Compatibilità	Kidde Commercial Excellence Systems
Metodo di indirizzamento	DIL switch
Monitoring	Activated, Battery level, Continuously self-checking, Fault, Open circuit, Short circuit

#### Elettrico

Tipo di alimentatore	Batterie, Alimentato ad anello
Batterie	3 x CR123 (optional)
Tensione di esercizio	17 to 29 VDC
Comunicazione voltaggio	4 to 11 V pulsed
Consumo attuale	250 $\mu$ A (Quiescent) Refer to the installation sheet for alarm current values (setting dependent)

#### Sirena

Livello di uscita	55 to 102 dB(A) - Tone dependent
Regolazione livello di uscita	4 levels
Frequenza	User selectable
Toni selezionabili	32
Sincronizzazione	Supported
Numero di stadi	3

#### Isolamento

Tipo	Negative line break
Loop corrente	5 mA (isolated)
Resistenza serie	<0.08 $\Omega$
Switch corrente	1.05 A (continuous) / 1.4 A (pulsed)
Corrente di dispersione	<1 mA
Tensione di isolamento	14 to 15.5 VDC
Voltaggio di riconnessione	14 to 15.5 VDC

#### Fisico

Dimensioni fisiche	110 x 129 mm ( $\varnothing$ x H)
Peso netto	465 g
Colore	Rosso (RAL 3001)
Tipo di montaggio	Montaggio su base
Posizione di montaggio	Soffitto, Parete
Base di montaggio	Profondo
Materiale	PC / ABS

#### Ambientale

A prova di vandalo	No
Temperatura operativa	-25 to +70°C
Temperatura di immagazzinamento	-25 to +75°C
Umidità relativa	10 to 93% (noncondensing)
Ambiente	Interno, All'aperto
IP rating	IP33C

#### Regolatorio

Conformità	CE, REACH, RoHS 3, WEEE
Certificazioni	EN54-17, EN54-3

#### Prodotti compatibili

Categoria	Riferimento	Descrizione
Dispositivo di rivelazione	KE-DB3010W	Base standard per rivelatori serie Excellence

