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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

# Radio Combined Sounder and Optical Smoke Detector

Radio - Devices

**Part No.** EDA-R6000

www.illuminoignis.co.uk

## Product Details

The EN54 combined optical smoke detector and sounder has been based on the successful Millennium and Zerio systems. The new Zerio Plus device has the usual features of the original device with increases in flexibility when running on the Zerio Plus system.

Offering the advanced features of the Zerio Plus detector, the unit is housed in an attractive moulding and shares a common fixing and is interchangeable with the existing Zerio Plus detectors.

The combined optical smoke detector and sounder contains a powerful processor and utilises surface mount technology to achieve the ultimate in performance and reliability. The sounder section
utilises a high output sounder, switch mode power supply and a sensitive narrow band FM receiver. The unit is fully programmable and is capable, as is the usual sounder detector, of being divided into 255 individually controlled areas.

Fully configurable by radio, the combined optical smoke detector and sounder stores a unique serial number and length of time in service in its non-volatile memory. With several available tones, which can be changed with a few button presses at the control panel, the system offers flexibility never seen on a wired system. The combined detector is designed to comply with all appropriate sections of EN54. combined optical smoke detector and sounder combined optical smoke detector and sounder



## Key Features

- EN54 Part 3, 7 and 25 Compliant
- Fully Addressable
- Selectable Sensitivity
- Up to 4 Year Battery Life
- Small Attractive Compact Design
- Pre-Alarm Warning
- Head Dirty Warning
- Compatible with Zerio Plus Panels

## Order Codes

- EDA-R6000 Radio Combined Optical Smoke Detector with Sounder
- EDA-Q690 Spare Battery Pack (2 required)
- EDA-Q580 Device Locking Screw (pack of 10)

## Technical Specifications

| | | |
|---|---|---|
| **Power source** | 2 x Dual lithium cells | |
| **Battery life** | Up to 4 years | |
| **Battery Pack** | 2 x EDA-Q690 | |
| **Detector type** | Optical | |
| **Alarm Level** | High: 0.08dB/m (1.8%)<br>Medium: 0.12dB/m (2.7%) *<br>Low: 0.20dB/m (4.4%)<br>* 3rd part approved to EN54 Part 7 | |
| **Temperature range** | 0C to +60C | |
| **Humidity** | 0 to 95% (no condensation) | |
| **IP Rating** | IP21C (indoor use only) | |
| **Audibility** | 80dB at 1m | |
| **Tones** | 16 (Swept tone at maximum/High volume approved) | |
| **Construction** | Insect Screen | Stainless Steel Foil |
| | Casing | Injection Moulded Flame Retardant U.V. Stabilised ABS Plastic |
| | Electronics | Surface Mount Technology |
| **Options** | Lockable Head | |

| | | |
|---|---|---|
| **Weight (Including Base)** | 310g (approx.) | |
| **Dimensions (Including Base)** | Height | 65mm |
| | Diameter | 115mm |
| **Indications** | High intensity clear LED | |
| | Alarm | Red Solid |
| | Fault | Red Flashing |
| | Log-on Mode | Green Solid |
| **Audible Warning** | Sounds in alarm, device re-calibration and test mode | |
| **Fixing Holes** | 2 x 4mm ( No. 6 screws ) 50mm spacing | |
| **Finish** | White Polished | |



0203 00 44 855
sales@illuminoignis.co.uk
illuminoignis.co.uk

Illumino Ignis Ltd, Ignis House,
Imperial Way, Eagle Business Park,
Yaxley, Cambridgeshire, PE7 3GP

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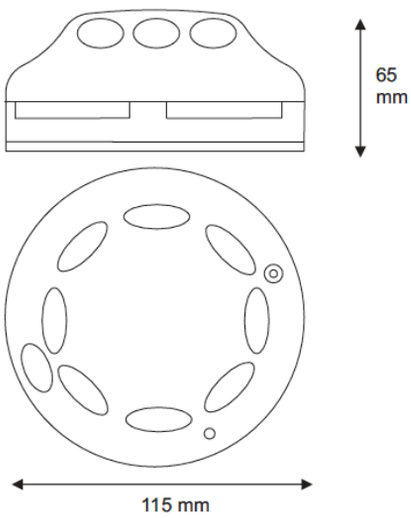
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## TECHNICAL INFORMATION

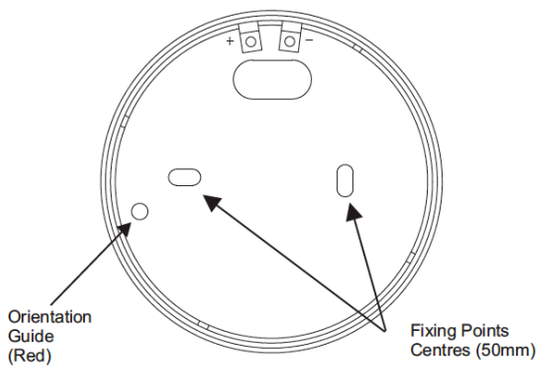
Selectable sensitivity set by control panel
Adjustable alarm verification time interval
Approved with swept tone at maximum volume
Powered by 4 independent AA Lithium Thynol Chloride cells
- Max Voltage 3.7V DC
- Min Voltage 3.0V DC
- Max Current in Alarm 60mA
- Average Current 250uA (approx)
- Estimated battery life of up to 4 years

Surface mount technology giving maximum reliability
Transmitter frequency 868 MHz
Transmission type Narrow Band FM
Channels 13 Available
Electronic serial number
65000 system numbers
Short transmission time
Complex error checking
Internal monitoring and fault diagnostic reporting
Fault and alarm count
Narrow gauge mesh to prevent ingress of foreign bodies
Security locking screw (supplied separately)

## Dimensions




## Detector Base Outline




In the pursuance of a policy of continued product improvement Electro-Detectors Ltd. reserves the right to change the design and specification without prior notice. The quoted battery life is a theoretical calculation based on device performance under normal operating conditions in conjunction with the specification provided by the battery manufacturer. The figures provided are intended as a guide and therefore cannot be assumed to be a guarantee of the actual life achieved. All details were correct at time of printing.



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