

Radio Detector & Sounder with Beacon

EDA-R430/R2030

- **Integral Radio Sounder**
- **High Intensity Beacon**
- **3000 Addressable Devices**
- **Attractive Compact Design**
- **Automatic Drift Compensation**
- **Surface Mount Technology**
- **Compatible with the Complete Range of EDA Products**
- **Programmable Non-Volatile Memory**



DESCRIPTION

The combined sounder detector has been further refined to add a flashing beacon to the unit. Capable of running on both the Zerio and Millennium radio fire alarm systems, the new device increases the flexibility of any system especially where designers are working with the requirements of the Disability Discrimination Act (DDA).

Offering the advanced features of the original Millennium detector and compatibility with all Electro-Detectors' products, the combined sounder detector and beacon shares a common fixing and is interchangeable with the existing Millennium or Zerio detector. With Electro-Detectors strong "no obsolescence" policy, the unit will even operate with systems installed twenty years ago.

The unit, housed in an attractive moulding, contains a powerful processor and utilizes surface mount technology to achieve the ultimate in performance and reliability. It incorporates a high output sounder, switch mode power supply and a sensitive narrow band FM receiver. The LED beacon uses revolutionary technology to deliver the required high power and when coupled with the purpose-designed beam-spreading lens, this achieves a intense illumination at all viewing angles, without significantly affecting the battery life.

The unit is fully configurable and is capable, like the standard sounder models, of being programmed into 255 individually controlled areas. In its default setting, both the sounder and beacon operate simultaneously. However with the systems extensive cause and effects each function can be controlled individually.

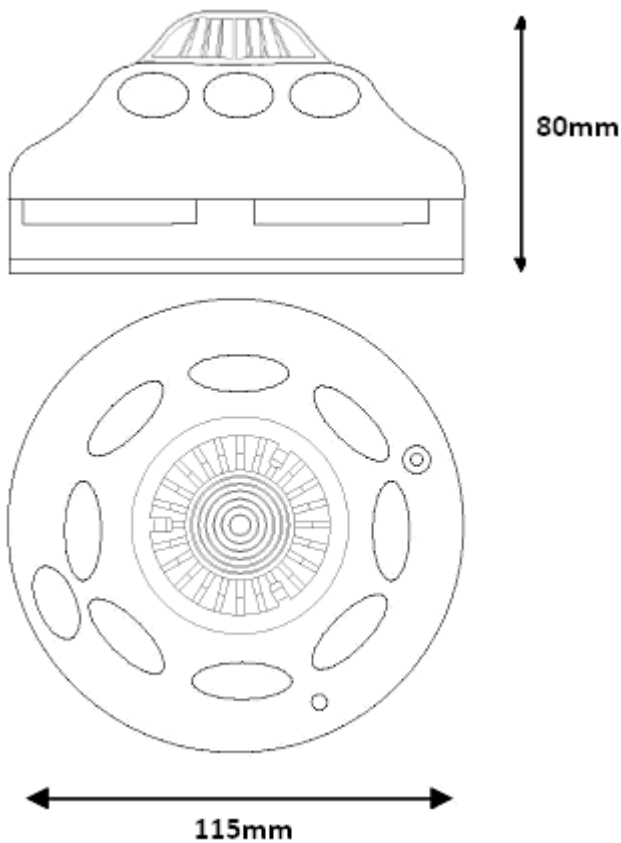
The combined sounder detector and beacon is programmed with a unique serial number and stores its length of time in service in its non-volatile memory together with over fifty other settings and information. It is designed to comply with all appropriate sections of EN54.

SPECIFICATION

Power source	Four lithium cells
Battery life	Up to 5 years
Detector type	Optical
Sounder	90dBA at 1m
Beacon	Clear beam-spreading lens RED illumination Advanced LED technology
Receiver	Narrow band FM with integrated antenna
Temperature range	0°C to +60°C
Humidity	0 to 95% (no condensation)
Construction	
- Insect Screen	Stainless steel foil
- Casing	Injection moulded U.V. Stabilised ABS plastic
- Electronics	Surface mount technology
Options	Lockable head Coloured body

ORDER CODES (for combined Detector & Sounder)

EDA-R430	Millennium Combined Optical Smoke Detector and Sounder with Flashing Beacon
EDA-R2030	Zerio Combined Optical Smoke Detector and Sounder with Flashing Beacon

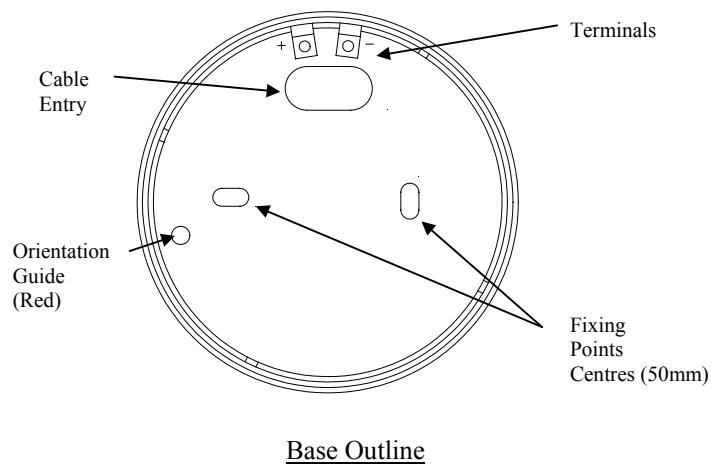


TECHNICAL INFORMATION

Extremely high intensity light output in alarm condition
 Complex head monitoring algorithms
 Programmable head sensitivity to smoke
 Conforms to appropriate parts of BS5839 and EN54
 Low current technology with a battery life of up to 5 years
 Powered by 4 independent AA lithium cells
 Surface mount technology giving maximum reliability
 Transceiver frequency 173.2250 MHz
 Narrow band FM receiver
 Electronic serial number
 Short transmission time
 Complex error checking
 Self calibration facility
 Internal monitoring and fault diagnostic reporting
 Adjustable alarm verification time interval
 255 sounder areas
 Fault and alarm count
 Small gauge mesh to prevent ingress of insects and foreign bodies
 Security locking screw (supplied separately)

GENERAL INFORMATION

Weight (Including Base)	300g (approx.)
Dimensions (Including Base)	
Height	80mm
Diameter	115mm
Indications	
Alarm	Extremely high intensity red LED flashes once every second in sounding condition
Status	Clear LED. Flashes red in alarm or fault
Audible Warning	Sounds in alarm, device re-calibration and test mode
Sounder Output	Approximately 90 dBA at 1m
Fixing Holes	2 x 4mm (No. 6 screws) 50mm spacing
Terminal Capacity	2 x 1.5mm ²
Cable Entry	25 x 14 mm rear entry only
Finish	White Polished Colours optional



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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