

Combined Radio Detector & Sounder

EDA-R400/D400/S400/R600/S600

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



DESCRIPTION

After the successful launch of The Millennium Analogue Radio Detector, Electro-Detectors can now offer a complete range of conventional or analogue detectors combined with a radio sounder.

Offering the advanced features of the Millennium detector product range, compatibility with all Electro-Detectors products and housed in an attractive moulding the combined detector shares a common fixing and is interchangeable with the existing Millennium detector.

The combined detector 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.

Additional options include fully monitored input, for connection to other devices, selectable sounder tones and supporting up to 255 areas.

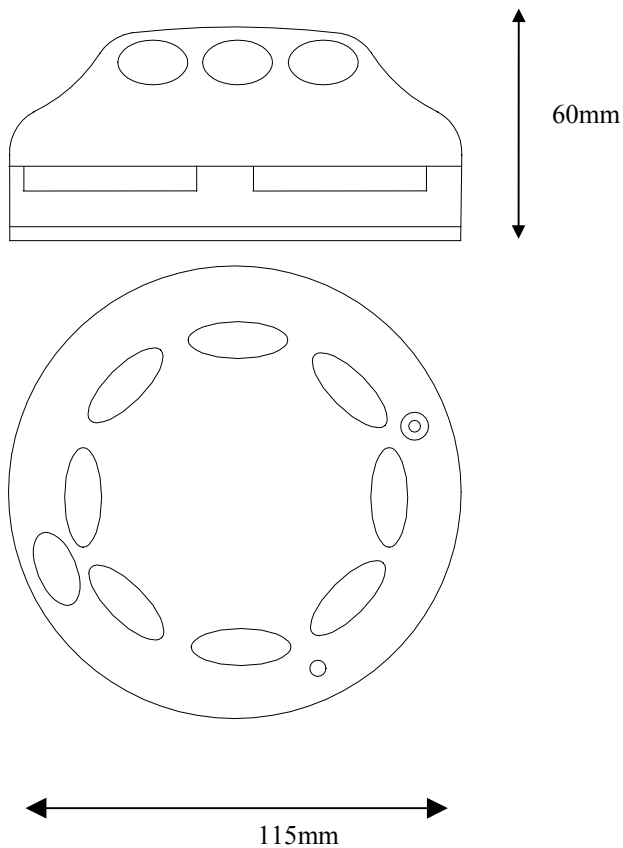
Fully electrically configurable, the combined detector stores a unique serial number and length of time in service in its non-volatile memory. The Millennium combined detector can be supplied as: i) optical smoke, ii) rate of rise heat, iii) fixed point heat detector in analogue or conventional forms. The combined detector is designed to comply with all appropriate sections of EN54.

SPECIFICATION

Power source	Four lithium cells
Battery life	Up to 5 years
Detector types	Optical Rate of Rise Heat Fixed Point Heat
Sounder	90dBA at 1m
Receiver	Narrow band FM
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	Single Circuit Board Surface Mount Technology
Options	Multiple Sensors Lockable Head Coloured Body

ORDER CODES (for combined Detector & Sounder)

EDA-R600	Analogue Radio Optical Smoke Detector
EDA-S600	Analogue Radio Fixed Point Heat Detector
EDA-R400	Conventional Radio Optical Smoke Detector
EDA-D400	Conventional Radio Rate of Rise Heat Detector
EDA-S400	Conventional Radio Fixed Point Heat Detector



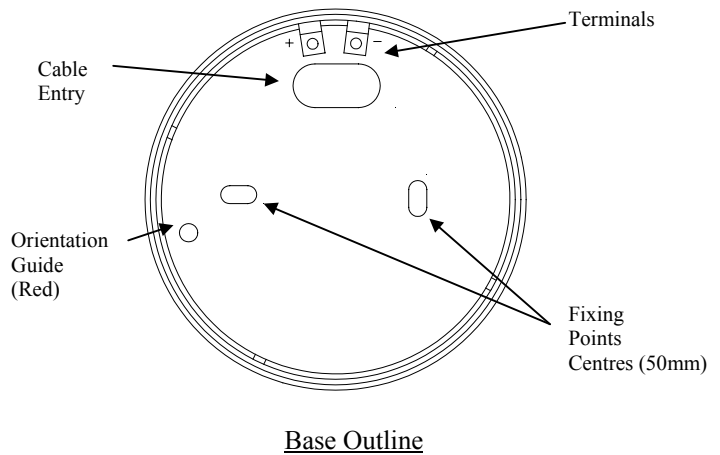
TECHNICAL INFORMATION

Analogue or conventional capability for smoke and heat detectors
 Advanced smoke sensing protocols
 Conforms to appropriate parts of BS5445 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)

OPTIONS

External Antenna EDA-xy05
 Remote LED EDA-xy10

Where x refers to the device type (R,D or S)
 and y is 4 or 6



GENERAL INFORMATION

Weight (Including Base)	300g (approx.)
Dimensions (Including Base)	
Height	60mm
Diameter	115mm
Indications	High intensity clear LED Flashes red in alarm, fault and test modes
Audible Warning	Sounds in alarm, device re-calibration and test mode
Sounder Output	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.

Electro-Detectors

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