

Universal Radio Detector

EDA-R300/D300/S300

- **3000 Addressable Devices**
- **Selectable Sensitivity**
- **Up to 10 Year Battery Life**
- **Attractive Compact Design**
- **Automatic Drift Compensation**
- **Surface Mount Technology**
- **Compatible with the Complete Range of EDA Products**
- **Programmable Non-Volatile Memory**



DESCRIPTION

The Millennium Universal Radio Detector from Electro-Detectors represents a new benchmark in terms of what the marketplace can expect from a radio device. The radio Millennium Detector is the latest development from a company which has over 20 years of designing and manufacturing fire alarm systems.

Housed in a modern attractive, low profile, moulding the new radio addressable detector contains a powerful processor and utilises surface mount technology to achieve the ultimate in performance and reliability.

An industry first has been achieved by integrating the radio transmitter, the smoke / heat detection sensors as well as the processor onto a single circuit board reducing size and increasing reliability over multiple assembly designs. Long operational life, high sensitivity and stable operation has been successfully achieved by using the most technologically advanced components.

Fully electrically configurable the Millennium detector features programmable sensitivity. A unique serial number and the length of time in service is stored in its internal memory. All data is retained in this non-volatile memory which is not corrupted or erased even should power be removed. A battery life of up to 10 years and sensor re-calibration minimise detector maintenance but sophisticated self testing ensure confidence in detector operation.

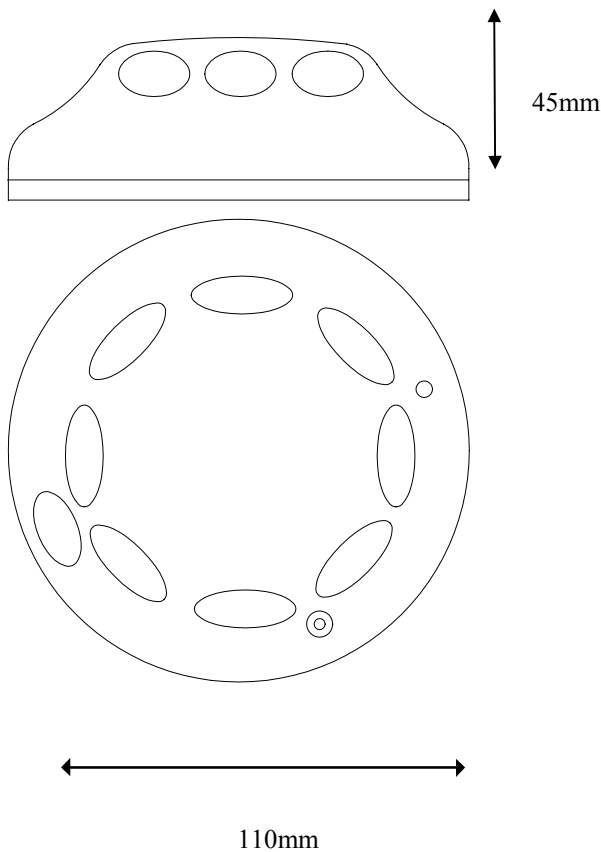
The Millennium Detector can be supplied with optical smoke, rate of rise heat or fixed point heat heads and are designed to comply with all appropriate sections of EN54.

SPECIFICATION

Power source	Dual lithium cells
Battery life	Up to 10 years
Detector types	Optical
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
Options	Construction Surface Mount Technology Multiple Heads Remote LED Lockable Head Coloured Body

ORDER CODES

EDA-R300	Radio Optical Smoke Detector
EDA-D300	Radio Rate of Rise Heat Detector
EDA-S300	Radio Fixed Point Heat Detector



TECHNICAL INFORMATION

Selectable sensitivity for optical and ionisation smoke detectors
 Conforms to appropriate parts of BS5445 and EN54
 Adjustable alarm settings for both heat detectors
 Low current technology with a battery life of up to 10 years
 Powered by 2 independent AA lithium cells
 Surface mount technology giving maximum reliability
 Transmitter frequency 173.2250 MHz
 Electronic serial number
 Short transmission time
 Complex error checking
 Self calibration facility
 Internal monitoring and fault diagnostic reporting
 Adjustable alarm verification time interval
 Fault and alarm count
 Narrow gauge mesh to prevent ingress of foreign bodies
 Security locking screw (supplied separately)

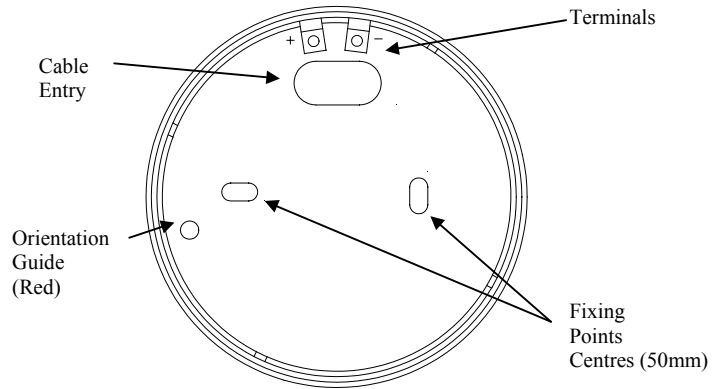
OPTIONS

External Antenna EDA-x305
 Remote LED EDA-x310

Where x refers to the device type (R,D or S)

GENERAL INFORMATION

Weight (Including Base)	200g (approx.)
Dimensions (Including Base)	
Height	45mm
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
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



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.

Electro Detectors

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