

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



### DESCRIPTION

The Zerio Universal Radio Detector from Electro-Detectors represents a new benchmark in terms of what the marketplace can expect from a radio device. The radio Zerio 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 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 Zerio 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 Zerio Detector can be supplied with optical smoke, or heat heads (rate of rise or fixed point can be selected when programming at the panel) and are designed to comply with all appropriate sections of EN54.

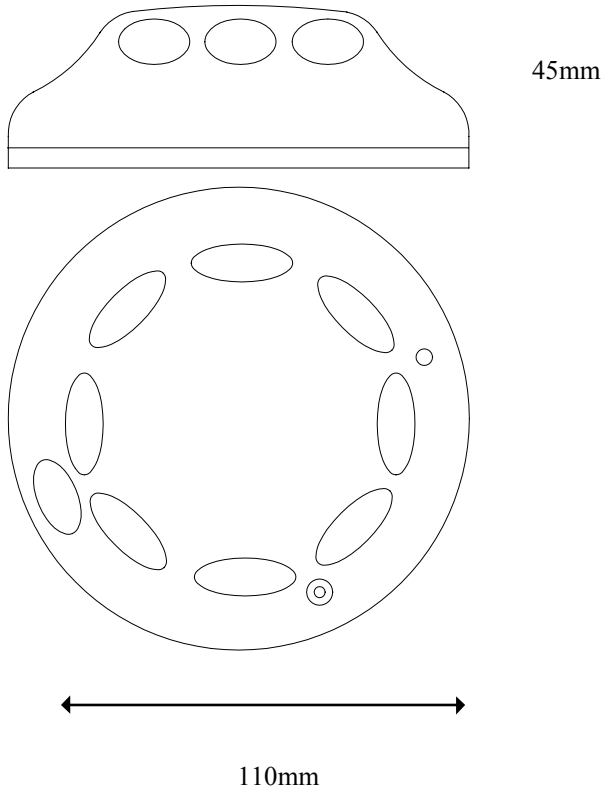
### SPECIFICATION

Power source	Dual lithium cells
Battery life	Up to 10 years
Detector types	Optical Smoke Rate of Rise Heat Fixed Point Heat
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 Construction Surface Mount Technology
Options	Multiple Heads Lockable Head

### ORDER CODES

EDA-R1000	Radio Optical Smoke Detector
EDA-D1000*	Radio Heat* Detector

\* Programmed to rate of rise or fixed point heat by control panel

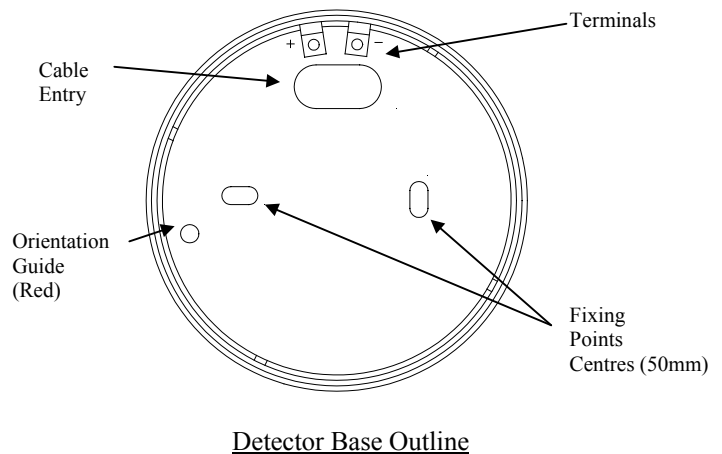


## TECHNICAL INFORMATION

Analogue values displayed at control panel  
 Selectable sensitivity for optical smoke detectors  
 Conforms to appropriate parts of BS5445 and EN54  
 Adjustable alarm settings for 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)

## 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 <sup>2</sup>
Cable Entry	25 x 14 mm rear entry only
Finish	White Polished



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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