

- **Integral Radio Sounder**
- **99 Addressable Devices**
- **Selectable Sensitivity**
- **Attractive Compact Design**
- **Automatic Drift Compensation**
- **Surface Mount Technology**
- **Compatible with the Zerio Range of EDA Products**
- **Programmable Non-Volatile Memory**



DESCRIPTION

After the successful launch of The Millennium system, Electro-Detectors can now offer combined sounder and detector in our new Zerio range.

Offering the advanced features of the Zerio detector product range and housed in an attractive moulding 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 99 areas.

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

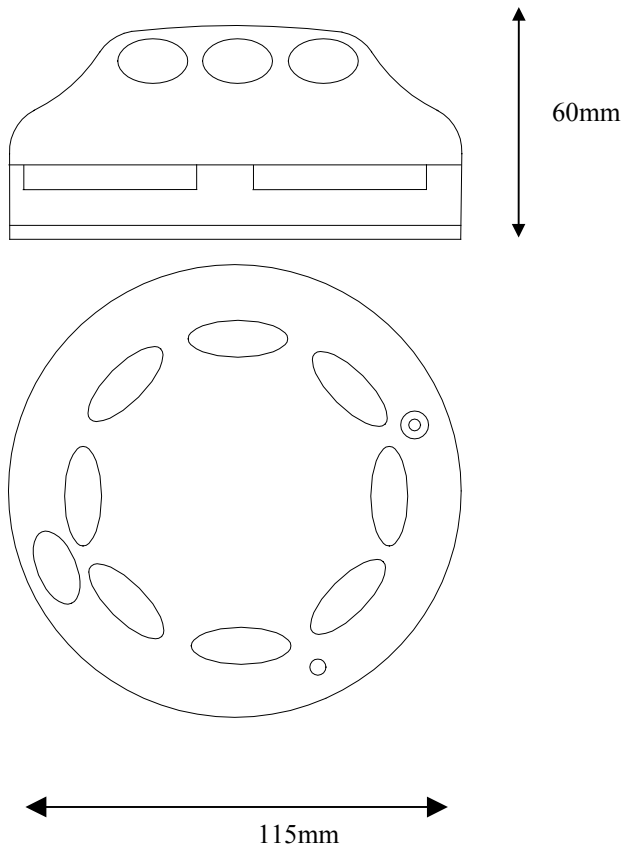
SPECIFICATION

Power source	Four lithium cells
Battery life	Up to 5 years
Detector types	Optical Smoe 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

ORDER CODES (for combined Detector & Sounder)

EDA-R2000	Radio Optical Smoke Detector with Sounder
EDA-D2000	Radio Heat* Detector with Sounder

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

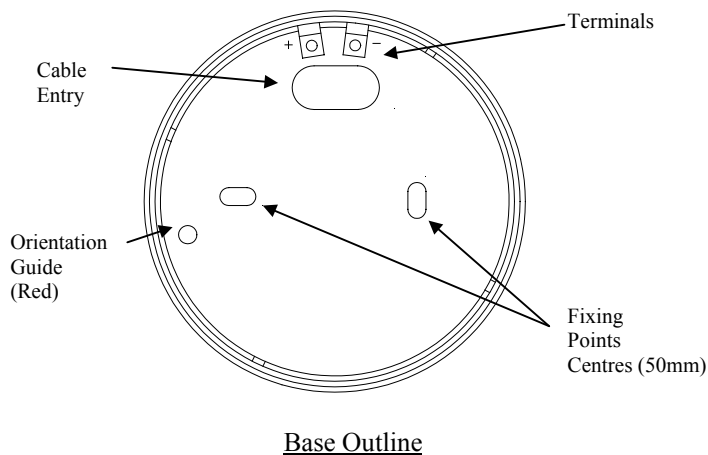


TECHNICAL INFORMATION

Analogue values displayed at control panel
 Selectable sensitivity
 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
 99 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	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



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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