

- EN54 Part 7 and 25 approved
- Fully Addressable
- Selectable Sensitivity
- Up to 5 Year Battery Life
- Small Attractive Compact Design
- Pre-Alarm Warning
- Head Dirty Warning
- Compatible with Zerio Plus Panels



DESCRIPTION

The Zerio Plus radio optical smoke detector from Electro-Detectors represents a new benchmark in terms of what the marketplace can expect from a radio smoke detector. The detector is the latest development from a company which has over 30 years of designing and manufacturing fire alarm systems.

Based on the highly successful Millennium and Zerio ranges, the detector is housed in the original attractive, low profile, moulding. The addressable detector contains a powerful processor, utilising surface mount technology to achieve the ultimate in performance and reliability.

Long operational life, high sensitivity and stable operation has been successfully achieved by using sophisticated protocols and the most technologically advanced components.

Fully configurable, by radio waves, the Zerio Plus 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 5 years and sensor re-calibration minimise detector maintenance but sophisticated self testing ensure confidence in detector operation.

The Zerio Plus smoke detector is fully compliant with the relevant sections of BS5839 and EN54 including Part 25. The detector is supplied complete with its base and battery and just requires two screws to mount the unit on the ceiling.

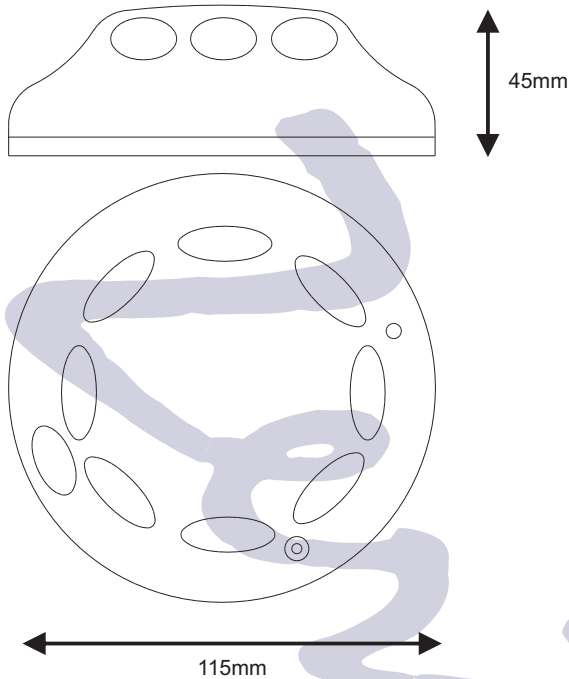
SPECIFICATION

Power source	Dual lithium cells
Battery life	Up to 5 years
Battery Pack	1 x EDA-Q690
Detector type	Optical
Alarm Level	High: 0.08dB/m (1.8%)* Medium: 0.12dB/m (2.7%) Low: 0.20dB/m (4.4%)*
	* Not 3rd part approved to EN54 Part 7
Temperature range	0C to +60C
Humidity	0 to 95% (no condensation)
IP Rating	IP21C (indoor use only)
Construction	
- Insect Screen	Stainless Steel Foil
- Casing	Injection Moulded U.V. Flame Retardant Stabilised ABS
	Plastic
- Electronics	Surface Mount Technology
Options	Lockable Head

ORDER CODES

EDA-R5000	Radio Optical Smoke Detector
EDA-Q690	Spare Battery Pack (1 required)
EDA-Q580	Device Locking Screw (pack of 10)

REF:EDA_R5000_datashet_V105.CDR



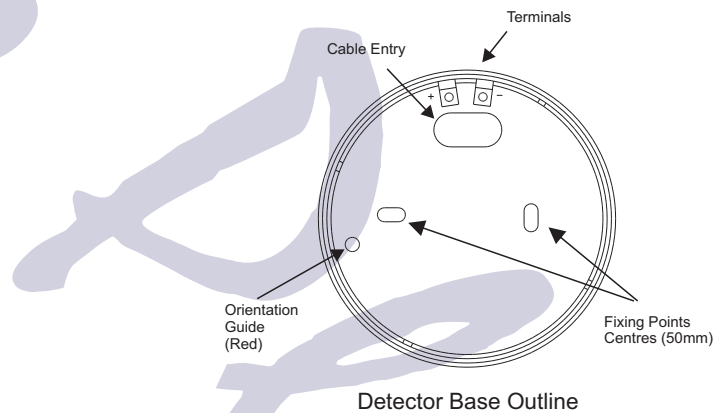
TECHNICAL INFORMATION


Selectable sensitivity set by control panel
 Adjustable alarm verification time interval
 Powered by 2 independent AA Lithium Thynol Chloride cells
 Max Voltage 3.7V DC
 Min Voltage 3.0V DC
 Max Current in Alarm 10mA
 Average Current 90uA (approx)
 Estimated battery life of up to 5 years

Surface mount technology giving maximum reliability
 Transmitter frequency 868 MHz
 Transmission type Narrow Band FM
 Channels 13 Available
 Electronic serial number
 65000 system numbers
 Short transmission time
 Complex error checking
 Internal monitoring and fault diagnostic reporting
 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
Alarm	Red Solid
Fault	Red Flashing
Log-on Mode	Green Solid
Audible Warning	Sounds in alarm, device re-calibration and test mode
Fixing Holes	2 x 4mm (No. 6 screws) 50mm spacing
Finish	White Polished





0359

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EN54-7:2000+A1:2002+A2:2006
 EN54-25:2008

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 DOP_EDA_R5000

EDA-R5000
 Radio smoke detector for use in fire detection and fire alarm systems for buildings.

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.

REF:EDA_R5000_datasheet_V105.CDR

Electro Detectors

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