

- EN54 Part 5 and 25 approved
- Programmable Types A1S, A1R
- Fully Addressable
- Up to 5 Year Battery Life
- Small Attractive Compact Design
- Compatible with Zerio Plus Panels



#### DESCRIPTION

The Zerio Plus radio heat detector from Electro-Detectors represents a new benchmark in terms of what the marketplace can expect from a radio 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 and stable operation has been successfully achieved by using sophisticated protocols and the most technologically advanced components.

The unit is fully configurable by the Zerio Plus panel, which determines whether the unit is to operate as a A1S, which has been 3rd party tested, a A1R, a fixed point or rate of rise heat detector. The latter options allow the operator the opportunity to set the temperature of alarm or 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 continual monitoring minimise detector maintenance but sophisticated self testing ensure confidence in detector operation.

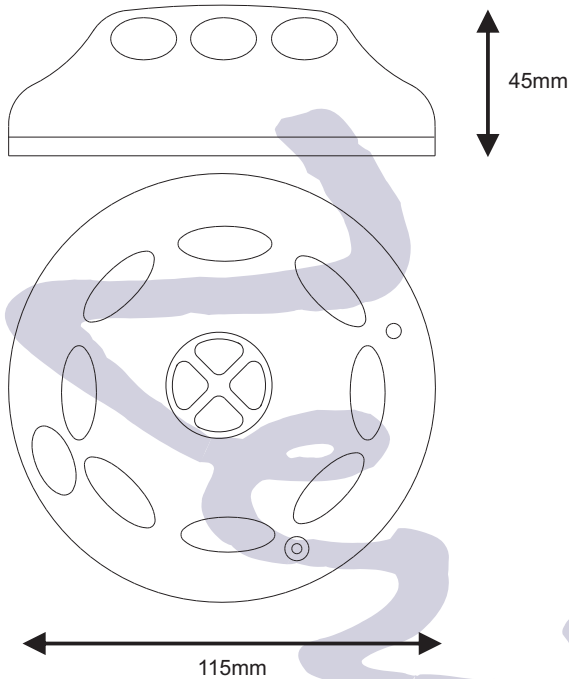
The Zerio Plus radio heat detector is fully compliant with the relevant sections of BS5839 and EN54 including Part 25. The detector is supplied complete with its base and battery and just requires two screws to mount the unit on the ceiling.

#### SPECIFICATION

Power source	Dual lithium cells
Battery life	Up to 5 years
Battery Pack	1 x EDA-Q690
Detector type	A1S (3rd Part approved to En54 Pt 5) A1R
	Rate of Rise (programmable) Fixed Point (programmable)
Temperature range	0C to +60C
Humidity	0 to 95% (no condensation)
IP Rating	IP21C (indoor use only)
Construction	
- Casing	Injection Moulded Flame Retardant U.V. Stabilised ABS Plastic
- Electronics	Surface Mount Technology
Options	Lockable Head

#### ORDER CODES

EDA-D5000	Radio Heat Detector
EDA-Q690	Spare Battery Pack (1 required)
EDA-Q580	Device locking screw (pack of 10)



## TECHNICAL INFORMATION

Heat sensor type 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

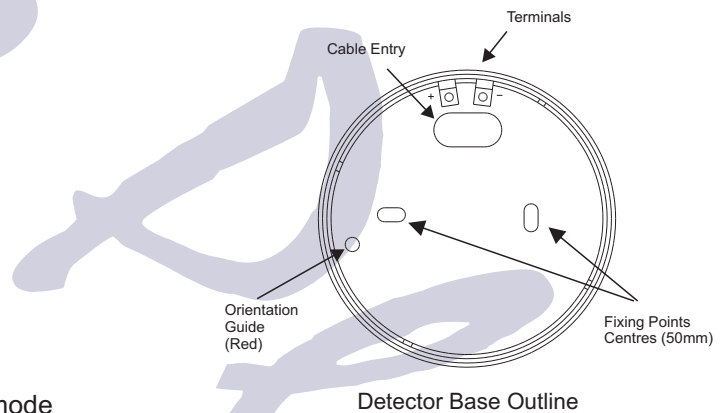
Surface mount technology giving maximum reliability


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  
 Security locking screw (supplied separately)

## GENERAL INFORMATION

Weight (Including Base)	150g (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 and test mode
Fixing Holes	2 x 4mm ( No. 6 screws ) 50mm spacing
Finish	White Polished





EN54-5:2000 +A1:2002  
EN54-25:2008

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**0359**

**Electro Detectors Ltd**  
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**EDA-D5000**  
 Radio heat 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 D5000 datasheet\_V104.CDR

**Electro Detectors**

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