

- EN54 Part 3, 7 and 25 Compliant
- 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 EN54 combined optical smoke detector and sounder has been based on the successful Millennium and Zerio systems. The new Zerio Plus device has the usual features of the original device with increases in flexibility when running on the Zerio Plus system.

Offering the advanced features of the Zerio Plus detector, the unit is housed in an attractive moulding and shares a common fixing and is interchangeable with the existing Zerio Plus detectors.

The combined optical smoke detector and sounder 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. The unit is fully programmable and is capable, as is the usual sounder detector, of being divided into 255 individually controlled areas.

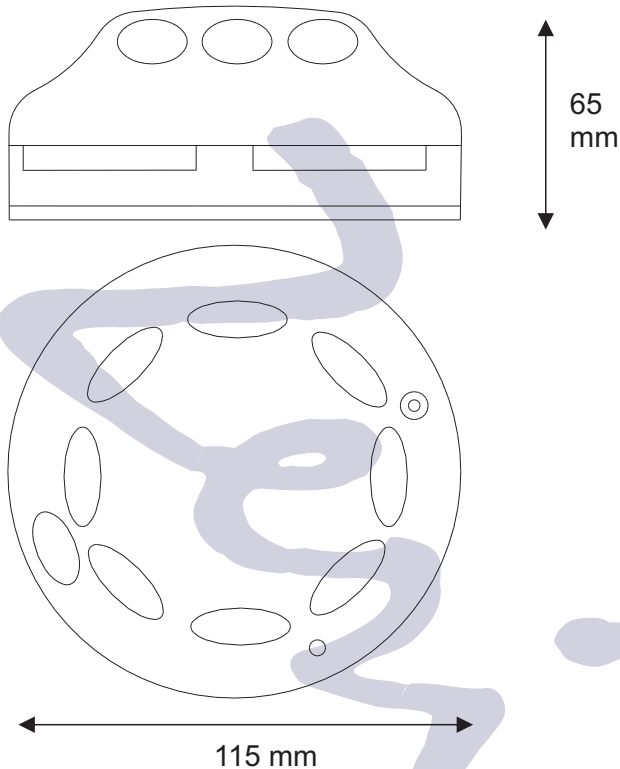
Fully configurable by radio, the combined optical smoke detector and sounder stores a unique serial number and length of time in service in its non-volatile memory. With several available tones, which can be changed with a few button presses at the control panel, the system offers flexibility never seen on a wired system. The combined detector is designed to comply with all appropriate sections of EN54.

### SPECIFICATION

Power source	2 x Dual lithium cells
Battery life	Up to 5 years
Battery Pack	2 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%) * 3rd part approved to EN54 Part 7
Temperature range	0C to +60C
Humidity	0 to 95% (no condensation)
IP Rating	IP21C (indoor use only)
Audibility	80 to 90dB at 1m (Depending on orientation)
Tones	16 (Swept tone at maximum/High volume approved)
Construction	
- Insect Screen	Stainless Steel Foil
- Casing	Injection Moulded Flame Retardant U.V. Stabilised ABS Plastic
- Electronics	Surface Mount Technology
Options	Lockable Head

### ORDER CODES

EDA-R6000	Radio Combined Optical Smoke Detector with Sounder
EDA-Q690	Spare Battery Pack (2 required)
EDA-Q580	Device Locking Screw (pack of 10)



## TECHNICAL INFORMATION

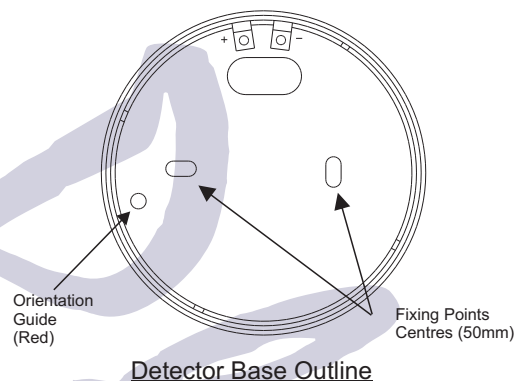
Selectable sensitivity set by control panel  
 Adjustable alarm verification time interval  
 Approved with swept tone at maximum volume  
 Powered by 4 independent AA Lithium Thynol Chloride cells  
 Max Voltage 3.7V DC  
 Min Voltage 3.0V DC  
 Max Current in Alarm 60mA  
 Average Current <10uA  
 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)	310g (approx.)
Dimensions (Including Base)	
Height	65mm
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

Note: Battery operated sounders are not covered by any parts of EN54 and therefore there is no requirement for third party type approval. However this device has been approved to all relevant sections of EN54-3.



Detector Base Outline



**0359**

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**CM20 2EG, UK**

EN54-3:2001+A1:2002+A2:2006  
 EN54-7:2000+A1:2002+A2:2006  
 EN54-25:2008

0359-CPR-00230 (2014)  
 DOP\_EDA\_R6000

**EDA-R6000**  
 Radio combined smoke detector and sounder for use in fire detection and fire alarm systems for buildings.  
 Type A: For in-door use.

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\_R6000\_Datasheet\_V106.CDR March 2014

**Electro Detectors**

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